

BOYS, READ THE RADIO ARTICLES IN THIS NUMBER

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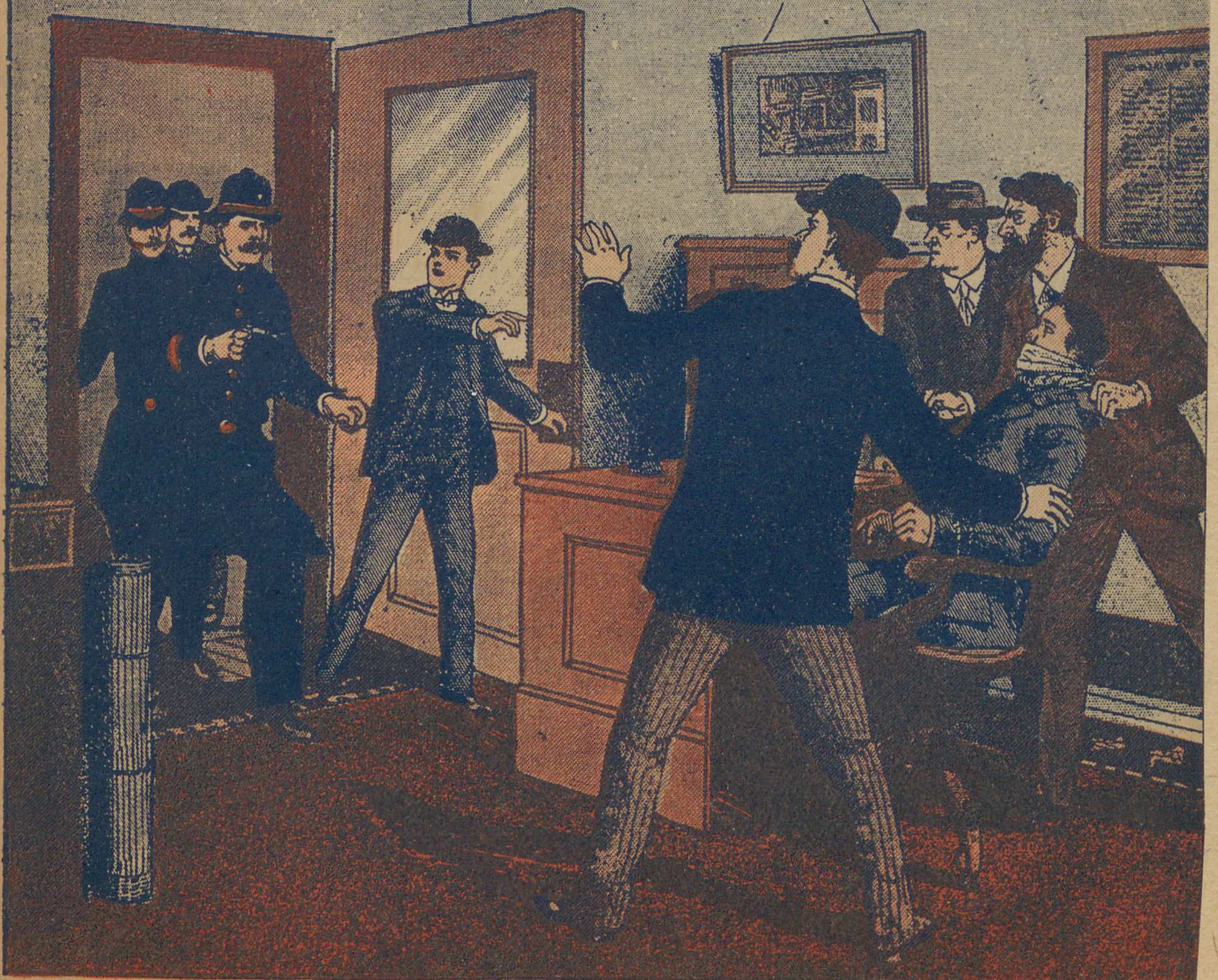
# FAME & FORTUNE WEEKLY.

## STORIES OF BOYS THAT MAKE MONEY.

### PLAYING TO WIN; OR, THE FOXIEST BOY IN WALL STREET.

AND OTHER STORIES

BY A SELF-MADE MAN.



"Sign!" demanded Jepson, holding the penholder toward the boy. "Sign, or—" He got no further, for at that moment a key rattled in the lock, the door was suddenly slammed open, and Dick Bell, followed by two policemen, entered the room.



# FAME AND FORTUNE WEEKLY

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NEW YORK, FEBRUARY 1924

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## PLAYING TO WIN

### OR, THE FOXIEST BOY IN WALL STREET

By A SELF-MADE MAN

#### CHAPTER I.—Which Introduces the Hero.

"Mother," cried Arthur Forbes, a bright, curly-headed boy of fourteen, dashing into a poorly furnished room where Mrs. Forbes sat sewing beside a window overlooking a forest of tenement roofs in the lower East Side of New York City, "I've got a situation at last!"

"Have you, Arthur!" exclaimed the sad-faced, patient-looking little woman, whose age might have been thirty-five.

"You'll never guess where it is, mother. It's a fine position," said Arthur, his eyes sparkling with satisfaction.

"You'll have to tell me about it," said Mrs. Forbes, looking fondly at her only child, whom she almost worshipped, for he reminded her constantly of the husband and father whom death had robbed them both of.

"It's in Wall Street, mother; what do you think of that?" cried Arthur, proudly.

"Why, how did you manage to get such a nice situation?"

"Well, you know Dick Bell?"

"Yes."

"He's been working for Denby, Coke & Co., stock brokers, for some time. He heard about this vacancy, and put me on to it this morning. I went there at once, applied for the position and got it. But I came awful near missing it. Mr. Jepson had an applicant ahead of me."

"Andrew Jepson?" breathed the little woman, laying one hand on her heart, while her face went white.

"Why, yes; I believe Andrew is his first name. how did you come to guess it?"

Mrs. Forbes made no reply, but sat staring almost vacantly at her son.

"How did it happen that Mr. Jepson gave you the preference over the other boy who had applied for the situation, too?"

"That's the funny part of it. The boy wasn't there, but Mr. Jepson had a letter from a friend of his recommending the boy."

"And yet you got the position?"

"That's what I did."

"I don't understand it," said the little woman, with a cloud on her face.

"Nor I, mother, for he really did turn me down with very few words at first."

"At first?"

"Yes. He told me that he already had an applicant who had been recommended for the position. I was getting up to leave, very much disappointed, when he suddenly asked me if my name was Forbes. He must have seen my name inside of my hat, for I remember I held it on my knee in such a way that he could easily have seen my name if he had looked that way."

"Well?" said his mother, breathlessly.

"Of course, I answered 'yes.' Then he asked father's name. I told him 'George Forbes.' He looked at me in a strange way and then inquired if he was dead. I said 'yes.' He then asked me father's business. I said he had been cashier of a firm in Exchange Place. 'Cohen, Finkelbaum & Newburger?' he asked. I said I did not remember the name of the firm, as I was very small when my father died. He then wanted to know if my mother was living, and I told him that she was. 'Where do you live?' he asked, and I give him our address, which he wrote down. Then he looked at me in a friendly way, said I should have the position of messenger in his office, and told me to report to Mr. Blake, the cashier, to-morrow morning at nine o'clock. Wasn't it wonderful how I got the job after all? Mr. Jepson must have known father, and for that reason gave me the preference. Did father work for Cohen, Finkelbaum & Newburger?"

"Yes, Arthur," with a catch in her breath.

"Did you ever hear father speak of Mr. Jepson?"

"Your father knew Mr. Jepson."

Mrs. Forbes took up her work again, but her fingers trembled, her eyes were moist, and it was clear, even to her son, that she was much agitated.

Arthur had only one close friend, and that was Dick Bell, the son of a mechanic, who lived in the next tenement. Dick finished his schooling a year before Arthur was done with the public school, and then was so fortunate as to get a job as office boy and messenger in a Wall Street office. Arthur rather envied his friend his good luck, as he never expected to get so good a place himself, though Dick constantly assured him that he would let him know of the first chance he got wind of. As we have seen, it was through Dick that Arthur got the tip that Mr. Jepson needed



a messenger, and now that he had secured the coveted situation our hero was as happy as a fly around the bunghole of a molasses barrel.

## CHAPTER II.—Threats of the Visitor Who Called On Mrs. Forbes.\*

Arthur went to work for Mr. Jepson next morning, and he found his duties pleasant and congenial.

"How do you like it as far as you've got, Art?" asked Dick, the second morning after his chum had secured employment.

"Fine!" exclaimed Arthur, enthusiastically.

"Jepson keeps you on the go, doesn't he?"

"Oh, yes. I had a lot of messages to carry around to other brokers' offices yesterday, but I rather like the exercise."

"You'll find it wearing on shoe leather, and shoes are high these days."

"I shan't worry about that. I don't remember ever hearing you kick on the subject."

"What's the use of kicking? When it's up to you to hustle you've got to do it, or chuck up the job."

"And my, what a lot of money there's down here!"

"Sure there is—loads of it."

"It's nice to have plenty of money," said Arthur, wistfully, thinking of his mother, who was obliged to sew all day for a mere pittance. "Just look there, will you?" pointing to a money broker's window, where a clerk had just finished laying out for the day a display of foreign gold and silver coins, bills and other evidences of wealth in great profusion. "Doesn't that make your eyes water?"

"I wouldn't mind owning some of that stuff myself," said Dick, as the two paused to feast their eyes on the fascinating sight. "Look at that little Japanese tray of English sovereigns, every one of them worth \$4.84. Bet you a nickel you can't guess how much is there."

"I couldn't guess, and it wouldn't do me any good if I could. Look at that bowl of German coins—20-mark pieces. I'd be satisfied with the value of those five pound Bank of England notes. There must be \$600 worth there."

"Come on. We might look all day and not be a cent richer."

They presently reached the office building where they were employed, and separated till they should meet again at noon. Arthur had been ten days at Jepson's, where his polite manner and activity gave perfect satisfaction, when Mrs. Forbes had a visitor. It was about two in the afternoon that a knock came at the door, and thinking it might be the landlord looking after his arrears, she put down her work and hastily went to the door and opened it. A well-dressed, prosperous-looking gentleman, who had been brought to the neighborhood in a cab, stood outside.

"You don't seem to remember me, Mrs. Forbes," he remarked, with what he meant to be a cheerful smile, at the same time holding out his gloved hand and walking into the room.

"Mr. Jepson."

"Exactly, my dear Mrs. Forbes," replied the

well-groomed gentleman. "Aren't you going to shake hands? We are old friends, I think, and it must be all of seven years since we lost sight of each other."

She timidly extended her hand and he took it and held it.

"I am sorry to find you in such straightened circumstances, Jessie. I may call you that, mayn't I? I had that right once before George Forbes won you away from me."

"Mr. Jepson," said Mrs. Forbes, faintly, "I beg you will not bring up the past. You went out of my life when—when——"

"Yes, I know; when the man who became your husband stepped upon the scene."

A steely flash came into his eyes, but it vanished in a moment.

"Not so, sir," replied the little widow, with a flash of spirit, that Mr. Jepson had always admired in her; "but when you were obliged to leave town after deceiving your employer. By that act you forfeited my respect and——"

"Love, I suppose. You were too hasty in your judgment. You did not use me fair. But never mind—the past is over and done with. You married George Forbes, moved to this city, where I had by that time already established myself in business, and I suppose you were happy until your husband was caught——"

"Stop. Mr. Jepson!" cried the little woman, indignantly. "My husband was not guilty of the crime charged to him, and for which he was wrongfully sent to prison."

"Well, well, we won't argue the point, Mrs. Forbes," replied her visitor, soothingly. "You were his wife, and it is natural you should defend his memory. It is quite right you should. I am not in a position to judge him with the same leniency. I can only go by the evidence brought out at the trial, which pointed overwhelmingly against him. A jury of twelve unbiased citizens brought in a verdict of guilty, and your husband was sent to Sing Sing for fifteen years. He was drowned in the river while making a fruitless effort to escape with another convict. It is a painful subject, of course, to you, so let us dismiss it, and talk about something pleasanter."

Mr. Jepson rubbed his sleek hands one over the other, as though washing them with invisible soap and water, coughed slightly and regarded the little widow with a benevolent eye. Mrs. Forbes, however, was very much agitated.

"As I said before," continued the stock broker, seeing she remained silent, "I regret to find you in such poor surroundings—surroundings but ill adapted to one of gentle birth like yourself. It must be a sad trial for you to have to mingle with a class of people infinitely below you in education and refinement."

"The people of this neighborhood may be poor and of low origin, perhaps, but that is their misfortune, not their fault," replied the little widow, with a dignity that somewhat disconcerted Mr. Jepson. "At any rate, they seem to be honest, and well meaning," she added, "and I have no fault to find with them."

"Ahem! Yes, of course, but they are not like the people you have been used to mingle with, and whose society would be beneficial to your—ahem!—son. And that reminds me, and you are probably aware of the fact, that your Arthur is



now in my employ as a messenger. He is a bright boy, and I am very much pleased with him."

This was a subtle stroke on Mr. Jepson's part that was not without its effect on the fond mother.

"It was kind of you to employ him," said Mrs. Forbes. "You will not regret it."

"Mrs. Forbes—Jessie—you cannot help seeing that I am still interested in you. Although it is sixteen years since you broke off our engagement, I have not ceased to care for you as I always did. It is still the fondest wish of my heart to win you for my wife."

"That is impossible now, Mr. Jepson," said the little woman, coldly. "The past can never be—"

"Don't say never, Jessie," broke in the broker, catching her hand once more.

"I must," replied Mrs. Forbes, firmly, withdrawing her hand from his grasp. "If nothing else but loyalty to my dead husband, that would present between us an impassable barrier."

"Think of what I offer you," he persisted. "A luxurious home and the gratification of every wish. Think of that compared to your present almost penniless situation in this squalid neighborhood. And your son would share in all the benefits of your altered circumstances. He could go to college and thus prepare himself for a superior start in life. Can you deny that this would be of immense advantage to him?"

"I do not deny that, Mr. Jepson," she replied, "but—"

"Of course you don't; how could you?" he added quickly. "He is the apple of your eye, and I appeal to your mother love not to scorn my proposal before you have weighed all the advantages it will bring your boy."

Mr. Jepson pressed his suit artfully, for he was determined to win this woman, if he had to move heaven and earth to accomplish his purpose.

"But his father's memory has claims on my heart which can never be effaced. Besides, Mr. Jepson, I can never think of you as I once did. The love I then had for you is dead. It can never be revived."

"You only imagine so, Jessie. It is quite a common occurrence for widows to marry again. Between us it ought to be a simple matter to join a thread that was broken in haste on your part, but never severed on mine. You will think this thing over and give me your answer—a favorable one, I hope—some day in the near future. May I rely on this?" he asked, insinuatingly.

"I can offer you no hope. I never intend to marry again."

"That is a rash assertion, Mrs. Forbes," replied Mr. Jepson. "A young and attractive woman like yourself should not sacrifice herself on the altar of a dead memory. Allow me to ask, does your son know that his father was a—ahem!—convict?"

"He does not, and I trust he will never know," she answered, a spasm of pain crossing her features. "He only knows that he is dead."

"That is what I thought," said Mr. Jepson, with a look of satisfaction. "It would be very sad if anybody who recalled all the circumstances of your husband's trial and conviction was to lay the lamentable story before him."

Something about her visitor's manner inspired her with a new-born terror.

"Surely you would not be so cruel, Mr. Jepson," she cried, clasping her hands.

"I should hope not, Mrs. Forbes, I should hope not; but it depends altogether on yourself."

"On me! I do not understand you."

"Then let me make my meaning clear," he said, advancing and looking her in the face with an expression that gave her a shudder of apprehension. "Years ago I had hope to make you my wife. That hope was frustrated by George Forbes. I did not cease to love you because you were another man's wife. There is always a chance in this world that the cards will come your way. Well, George Forbes is dead, and the field is once more open to me. I am a man who, once resolved upon a purpose, never draws back. I hope you understand me. I have determined to make you my wife, and I mean to do so. I have no wish to force you to decide this matter against your will if by any possibility an easier course will prevail. I will give you a year to know me better and to make up your mind. In the meantime your son will remain in my office, and will be afforded every chance to get ahead. If by any possibility he should learn the true facts about his father during the twelve months it will not be through me, I promise you that. But in one year I shall expect an affirmative answer to my suits or the boy shall know the full facts. I think I need say no more now, trusting that for your son's sake at least you will take a sensible view of the situation. Should you conclude to give me an earlier answer, a note, through your son, will, of course, reach me. Good-afternoon, Mrs. Forbes."

Thus speaking, Mr. Jepson bowed himself out of the room, leaving the little widow in a state bordering on collapse.

### CHAPTER III.—A Boom in M. & N.

Arthur Forbes took to the strenuous life of Wall Street like a duck to water. Andrew Jepson did a large business, not only for the general public, but for a great many of the curb brokers as well as for some of the big moneyed men who speculated on the market. As the months sped by the boy's strict attention to business was noted by his employer, who, ere long, raised his salary to \$7, and at Christmas presented him with \$25, much to the lad's delight, who immediately turned it over to his mother, thinking how pleased she would be to receive it.

But Mrs. Forbes, as the reader will understand, was not made happy by this liberality on Mr. Jepson's part, for she felt it was but part of his plan to propitiate her, and win her reluctant consent to a marriage that was more than ever distasteful to her. She was careful to allow no hint of her dilemma to reach her son. One day a letter was delivered by the postman to Mrs. Forbes. It was in Mr. Jepson's handwriting, and was brief and to the point.

He reminded her of the fact that the year was up and that in two days he would call for her answer, which, he said, he trusted would be favorable. The little widow's feelings may be better imagined than described.



-Next day, when Arthur came home after office hours, he brought the news that Mr. Jepson had met with a severe accident in his automobile, and that it was reported he would be confined to his house for some time. Three months passed away and then the doctor ordered the broker to the south of France for his health.

No one could say how long he would be away. As a matter of fact, nine months elapsed before Mr. Jepson stepped ashore in New York again, thoroughly re-established in his health. During the interval, things went on as usual in the Wall Street office, under the cashier's management, and Arthur Forbes grew daily wiser in the routine of the Street.

"How much dough have you got now?" asked Dick, one day, after they had cleared up about \$80 apiece in a speculation on a rising market.

"How much? I've got \$360 in the Seaman's Bank," replied Arthur, with a smile of satisfaction.

"And I've got \$240. That's \$600 you and I have made outside our wages in the last year by the exercise of our gray matter. Not so bad, is it?"

"We've done pretty well, I guess."

"I'm thinking of putting my profits into 100 shares of M. & N. at 32."

"Are you? Why M. & N.?"

"I heard Broker Smith tell one of his customers yesterday that it was a good stock to go the limit on if he went in at once."

"I call that a first-class tip," said Dick, enthusiastically. "I'm going to get my dust and take it up to Presby & Co. right away. Of course, you're with me?"

"No bucket-shop this trip, thank you. I'm going to invest with Parsons & Trip."

"Well, you know best. I'm going to risk them, just the same. If they beat me on a sure tip like this M. & N. they're welcome to my money."

"One would think you'd lots of money the way you talk," grinned Arthur.

"No; but I've lots of nerve, don't you forget it."

The boys went to the bank where they kept their small business capital, as they called it, and Arthur drew \$320, which he took around to Parsons & Trip's, in Broad street, and put it up on margin for the purchase of 100 shares of M. & N. at 32. Two days later the stock was selling at 33 3-8, and Arthur and Dick shook hands when they met to go to lunch.

"By the way, Art, when do you expect your boss back from Europe? He's been away some time, hasn't he?"

"Mr. Blake got a letter from him this morning in which Mr. Jepson said he would return in the St. Paul of the American line. She leaves Southampton the day after to-morrow. He's been away just nine months, and it's exactly a year since he was in Wall Street."

"That was a pretty serious accident he had, wasn't it? Came near doing him up for keeps."

"I should say it did. He's all right now, and I'm glad he's coming back."

If Arthur had only known a few things he wouldn't have been quite so glad. About the middle of the following week matters began to get lively around the M. & N. corner in the Exchange. The stock had been going up steadily, but with

small advances, which didn't seem to catch the attention of the brokers generally.

Now, however, the traders began to realize that there was a genuine boom on in M. & N. and there was a rush to buy the stock, with the result that before the Exchange closed that day the stock advanced from 40 7-8 to 51. Next day there was more excitement over M. & N. It opened at 52 3-8 and by noon was going lively at 57.

Both of the boys, of course, kept tab on the stock in which they were interested, and when they met at lunch hour they fairly hugged each other in the hall.

"Say, this is where we become multi-millionaires!" cried Dick, grinning all over his face.

"Hardly that," replied Arthur, more coolly. "At the present outlook I'm just \$2,500 to the good, and all on an investment of \$320."

"I've only got 50 shares, so you're twice as well off as I; but, all the same, \$1,250 looks like an awful lot of money to me, for I never owned more than \$250 at one time in my life, and that was about a week ago."

"Well, I'm beginning to think it's about time we sold out," suggested Arthur.

"What for? The boom has only been on since yesterday morning."

"That makes no difference. It's liable to peter out so quickly that it will make your head swim."

"Don't you believe it," replied Dick, nodding his head sagely.

"But I do believe it. I want to get out from under before the crash comes."

"It won't come this week," asserted Dick, positively.

"How can you tell that?"

"Oh, that's my idea."

"Well, it isn't mine. I'm going to sell out to-day."

Dick didn't say anything. Clearly, it was like drawing teeth for him to part with his fifty shares of a stock that was going up a whole point at a time. It had jumped nearly 20 points in a day and a half, why wouldn't it go up 20 more in two more days, thus giving him a clear profit of nearly \$50 a share?

Still, after his conversation with his chum, he was afraid to chance it. At two o'clock M. & N. reached 60, and Arthur, who had kept a constant eye on it, telephoned to his brokers to sell.

Dick held on till 2.30 p. m., when it had reached 62, then he asked for a few minutes' leave of absence and ran over to Presby & Co. and cashed in, as he called it. Ten minutes later M. & N. went to pieces before the bears, and a small panic took place on the Exchange.

#### CHAPTER IV.—A Tip That Worked the Wrong Way.

"Did you sell?" were the first words with which Arthur greeted Dick, when they met to go home, half an hour later.

"Bet your life I did," replied his chum, beamingly.

"Glad you took my advice now, aren't you?"

"That's what I am. You're all to the good, Art. You're the foxiest rooster in the Street."



Next day Mr. Jepson came down to the office, looking finer than silk. The news of his return got abroad and he was forced to hold a regular levee in his office. That night Arthur told his mother that Mr. Jepson was back, and that the broker looked better than ever. That was most unwelcome news to the little widow, but she had been expecting to hear it ever since Arthur told her Mr. Jepson had arranged to leave England for America.

Two weeks passed and still no letter came, but the suspense was a great strain on her nerves. However, she had another reprieve, as it were, for Arthur came home one Thursday afternoon and told her that Mr. Jepson had gone out West to Southern Nevada on business connected with some big mining company in which he was heavily interested. Next day, when Arthur met Dick between twelve and one, the latter seemed very much excited over something.

"Hello!" said Arthur. "What's troubling you?"

"Don't say a word, Art. I've got a tip!" cried Dick, fairly bubbling over with the information he had to communicate.

"The dickens you have!" cried Arthur, in surprise.

"It's a good one, too."

"I hope it is, for I suppose you mean to let me in on it."

"Of course I do. We go snacks on all these things, don't we?"

"That's the way I look at it. Well, what's the tip?"

"We want to buy B. & O. right away."

"What's it going at?"

"Last quotation 112."

"Give me the particulars. How did you come to get the pointer?"

"I had a message to carry to Jaffray. You know Jaffray. His office is on Broadway."

"I know him all right. Go on."

"He wasn't in, so I went to the Exchange. He wasn't there. Finally a D. T. messenger told me that he saw him going into a Broadway cafe, and that he looked to be full as a boiled owl. So I trotted over to the cafe and found him lined up against the bar, all by his lonesome, with his hat on the back of his head and humming to himself over a mint julep."

"Well, go on. I'm interested. You gave him the note."

"That's what I did. He balanced himself on the bar and tried to open it. It was no go, so he went over to one of the windows, and I followed him, thinking there might be an answer."

"What happened then?"

"He was so unsteady on his legs that I had to hold him up while he tore the envelope open. Then he read what was inside."

"I suppose you heard him read it, and that's where the tip comes in, eh?"

"No. I didn't hear him read it. He read it with his eyes."

"I never would have believed it from your statement of his condition. Go on."

"After he'd read it he uttered a kind of wild whoop and began to mutter out loud: 'Buy B. & O., eh? Sure I will. Going up clear out'r sight. Knew it all the time. Foxy fellow that Pratt. Knows when he's got a good thing, and willing to share with friend. Whoop!' That's what he

said. I remember every word of it. What do you think of it? It's all to the mustard, isn't it?"

"Maybe it is," replied Arthur, thoughtfully.

"Maybe it is! What do you mean by that? Isn't it a sure, copper-fastened pointed on B. & O.? What more do you want? I thought you'd go into spasms of joy over it, instead of which all you say is 'Maybe it is,' and rap that nut of yours with your fingers. What's the matter with you, anyway?"

"Well, I'll tell you," responded Arthur, cautiously. "It may be all right and it may not. A drunken man's words are not reliable. He might have read the meaning of the note backwards. But who is Pratt? Nobody of that name in your office that I know of."

"I didn't say there was. Pratt is a broker, a curb man, and a customer of ours. He was talking to Mr. Coke, and he asked me to take the note to Jaffray's office."

"Oh, I see! Well, I'll give your tip my earnest consideration."

"I've got \$1,500, and I'm going to invest it all on B. & O. right away."

"Don't be foolish, old chap. Wait till I look into this matter."

"Oh, look be jiggered!" cried Dick, impetuously. "What's the use of having a tip if you don't use it at once?"

"That's right, too; but you don't want to go off half-cocked. To tell you the truth, I don't like the looks of your tip, for several reasons."

"Name some of them, smart aleck."

"I've already named one, that a drunken man's words are not to be depended on. Another is that B. & O. is high at 112."

"How do you know it is?"

"Because I noticed its standing three weeks ago, and it was then 103."

"Oh, it was?" sarcastically.

"It was. Now I'm going to look up its record for the past year, and see how it's been holding itself."

"What's the difference how it's been holding itself? Isn't this a tip?"

"Well, I've heard of tips that let a fellow down kerchunk, and made a fat roll look as if one of Barnum & Bailey's elephants had been standing on it for a week. This may be one of those."

"Oh, fudge. You're losing your nerve, I'm thinking."

"Not a bit of it. I'm just foxy enough to do nothing with my eyes shut."

"All right. I've told you, so it's up to you to make use of it or not. I thought I was doing you a favor."

"Don't get off your base, Dick. I thank you for the tip, and I'll use it if I think it's safe. I'd advise you not to risk more than a portion of your wad on it, anyway."

They turned into a quick-lunch house and got to talking about something else. Later on Dick drew \$500 and bought B. & O. on the strength of his tip. Three days afterward B. & O. took a slump, and Dick was called on for more margin. He came to Arthur with a long face and told him about it.

"Don't put up another cent," answered his friend. "You are \$500 out, and you'll be out another \$500 if you put it up."

Dick believed him and let the stock go. The



next day B. & O. was still lower, and Dick was thankful he hadn't lost any more.

## CHAPTER V.—Arthur Is Treated to a Big Surprise.

Arthur decided that his mother needed a couple of new dresses, a hat, a warm jacket, and lots of other things, and that a new suit would look pretty well on his own well-knit body, so he drew \$300 of his capital, which now amounted to \$2,800, and presented \$275 of it to his mother, telling her he had made a small venture in stocks and was so lucky as to win. A few days afterward Arthur, who had been following the market very closely since his last speculation, decided that a certain stock, known as A. & L., was about due for a rise.

He had figured the matter out carefully from items he had seen in the different financial papers, and paragraphs printed in the daily press, as well as from conversations he had had with various brokers friendly to him, and he thought so well of the stock that he decided to buy 200 shares of it, which was ruling at 81. Of course, the deal was made on the usual ten per cent margin, and it cost him \$1,610 to go in, thus leaving him \$900 in bank to fall back on in case the stock should go the wrong way and he should be called on to furnish more margin.

He was walking altogether on his own judgment now, and as he wasn't sure how the deal would turn out, though he had every confidence in its ultimate success, he said nothing about his new venture to Dick Bell.

It happened that Dick had been doing some figuring for himself about the same time, as he was eager to put that \$1,000 he had in bank at work to double itself, and the result was he thought I. X. L. stock looked to be about the best thing on the stock list to go long on, and without saying a word to Arthur he bought 200 shares of it on margin at 45.

In a week both of these stocks participated in a general rise, which set in all along the line, A. & L. going to 90, at which figure Arthur sold out, clearing something like \$1,800, while I. X. L. proved a winner to the tune of \$1,000 for Dick. As soon as they had realized on their little speculations, each confided his luck to the other, and was surprised to find that his companion had been out for the wampum, too. It was about this time that Mr. Jepson returned from the West, and a day or two afterward he surprised Arthur by asking him to deliver a letter from him to his mother.

Of course the boy carried the letter home, and it was quite natural he should have a strong curiosity to know the contents of the communication. He was sharp enough to observe that his mother changed color, and seemed much agitated when he handed her the envelope and told her Mr. Jepson had asked him to give it to her. As she hadn't yet opened it, and therefore couldn't possibly know what was inside, Arthur thought this emotion on her part very strange indeed.

"Aren't you going to read it, mother?" he asked, curiously.

Mrs. Forbes suddenly realized that she was placing herself in a false position before her bright-eyed boy, and so she drew the letter hastily out, with the remark:

"Why, of course I am. How foolish of me!"

A tremulous little laugh, which Arthur easily saw was forced, accompanied the words. Then he could not fail to see that her fingers trembled as she tore open the envelope and drew out the enclosure, which was written on one of the office letter-heads. It ran thus:

"My Dear Mrs. Forbes: You have now had two years and two months in which to arrive at a conclusion in the issue I submitted to you at the time of my visit to your flat. Surely that is time enough. I shall, therefore, expect an early, and I hope favorable, reply upon a matter so close to my heart. Your son is now sixteen—an age when he should prepare himself for college, whither I propose to send him as soon as you have made me a happy man. I am having my residence in Seventy-second street completely renovated and redecorated. It will be ready within a couple of months to receive as its mistress the lady who has never ceased to be the mistress of my heart. Surely the attractions of wealth and social station ought to be a sufficient inducement to one who is so well fitted to adorn such a position in life, and to whom the neighborhood of Cannon street must be well nigh intolerable. Arthur will also be provided for for life, and need never learn the unfortunate truth about his father.

"Hopefully yours,  
"Andrew Jepson."

"Is the letter about me, mother?" asked Arthur, to whom such a supposition was most natural, though he wondered much at the strange emotion displayed by the only person on earth whom he had to love and cherish.

"You are mentioned in it," she replied, with visible constraint in her manner.

The boy wasn't satisfied.

"It seems to affect you a good deal," he continued. "Is there anything wrong?" anxiously.

Mrs. Forbes saw that her son would not be satisfied with anything short of a full explanation, and she did not know what to do. The silence that followed was embarrassing to both.

"What shall I do?" she asked, flushing and trembling.

Arthur looked at his mother, and the longer he looked the more certain he was that something was wrong.

"Mother," he said at last, appealingly, "I don't like this mystery. I thought we were to have no secrets from each other."

"Oh, Arthur, my son, I am in terrible trouble."

"Terrible trouble! What do you mean? Tell me, mother. I am your son and it is right that I should know."

She sobbed for a few moments as if her heart would break. When she had somewhat recovered her composure she drew him to her and kissed him.

"Arthur, my dear son, Mr. Jepson has asked me to marry him."



## CHAPTER VI.—Arthur Learns Something of Mr. Jepson's Early History.

"Mr. Jepson has asked you to marry him?" he exclaimed, in great astonishment. "Is this true, mother?"

"Yes."

"Why, I did not know that you were even acquainted with Mr. Jepson."

"I was acquainted with him before I met your father."

"You were?"

"I was. In fact, I was engaged to be married to him when I was introduced to George Forbes."

"Tell me all about it. How is it you came to marry father in preference to Mr. Jepson, to whom you say you were engaged first?"

"Do you really want to know, Arthur?"

"Yes, mother, I do."

Mrs. Forbes seemed reluctant to revive the past, but finally she decided to satisfy her son's curiosity.

"I was living in Liberty Center, a small New Jersey town, and Andrew Jepson was a clerk in a store there. I got acquainted with him at a social gathering, after which he paid me a good deal of attention. He was quite an attractive man; I liked him very much, and in time we became engaged to be married. One afternoon he called on me unexpectedly. He said he had left the store, was going to New York at once, and wanted me to marry him then and there and go with him. I refused to do that, but said I would marry him as soon as he got a good position in the city. He went off in a huff, and next day I was astonished to learn that he had been discharged from the store for a defalcation in his accounts, his employer not caring to prosecute him."

"Is it possible Mr. Jepson, the rich broker, could have been guilty of such a thing?" said Arthur, in surprise.

"Yes, it is true. Everybody knew I had promised to marry him," went on Mrs. Forbes, "and I felt the disgrace of his conduct so keenly that when he wrote me a month afterward I returned him his ring, and presents, and told him that our engagement was at an end."

"You did right, mother," said Arthur, kissing her.

"It was not long after that I became acquainted with your father. He was at that time margin clerk for Cohen, Finkelbaum & Newburger, stock-brokers, in Exchange Place, this city, and he came to Liberty Center to spend a two weeks' vacation. When he returned to his work we had become engaged to be married. He was a different man altogether from Mr. Jepson, and I often wondered how I came to care so much for my former suitor. In six months your father and I were married, and, of course, I came to New York to live. A year later you were born."

Mrs. Forbes paused as if she had finished.

"When did you see Mr. Jepson again?"

"Not until the day that your father——"

The little widow stopped suddenly and seemed to choke up.

"That is all," she sobbed.

"But you didn't answer me, mother. When did you see Mr. Jepson again? You must have seen

him several times, probably, since I went to work for him, or he would not have written you this letter asking you to marry him."

"I saw him a few days after you got the situation. He called upon me here."

"You never told me a word about it."

"Forgive me, dear. I thought it was best not to."

"Why?"

"Don't ask me, Arthur. I had my reasons," she replied, desperately.

The boy looked at her thoughtfully.

"Have you any idea of marrying Mr. Jepson now?" he asked, anxiously.

"Yes."

"Mother!" in surprise.

"Don't chide me, dear. I am doing it for your sake."

"My sake?"

"Yes. Mr. Jepson is rich. He has promised to send you to college, and start you in life under the most flattering auspices."

"Do you care for Mr. Jepson enough to marry him?"

"Don't ask me, Arthur," she answered, with averted face.

"Mother, you do not. I can tell that by your manner. I knew you could not altogether forget the memory of my father."

"Don't, Arthur, don't!" she begged, almost piteously.

"Mother, Mr. Jepson is rich and probably able to do all he says he will for me, but he isn't rich enough to buy your love, which he once sacrificed. Unless you really care for him now it would be a sin for you to become his wife, just for my sake. I don't need a college education. I can get along without one. Many of our smartest and most successful men did not have the advantages of a college course. I can make my own way in this world without Mr. Jepson's, or any one else's assistance. Shall I tell you something, mother? I did not mean to yet a while, but I feel that it is best that you should know now. I have \$4,300 in the savings bank that I have made all myself during the past year."

"Arthur!" cried Mrs. Forbes, in great amazement.

"I am telling you the truth, mother. I will show you my two bank books to prove it."

He took them out of his jacket pocket, for he always carried them about with him in case he should need to draw any of the money for speculative purposes, and handed them to her. She opened them and saw the big entries.

"Well, you have surprised me. How ever did you manage to make it?"

"In the stock market, of course, mother; that's the only way I could have made so much money in so short a time."

"But I always have understood that stock speculation was a risky business, even for those with years of experience and plenty of money at their command."

"So it is."

"Then I don't see——"

"I know you don't, mother, and it would take me too long to explain, even if I could, how Dick and I have been operating."

"You mean Dick Bell?"



"Yes. We've made it a business to study the market and make ourselves familiar with Stock Exchange methods. Then I got one good pointer, a sure one, and it put us on our feet. It jumped my capital from \$350 to \$2,800. I've made one deal since I gave you that money, and I made \$1,800, less commissions, by it. Now, mother, there is no necessity for you to marry Mr. Jepson, to help me. I think I have shown I am able to help myself."

"You have, indeed. You are but a few months beyond sixteen, and yet you have more money than your father had when I married him."

"Now, mother, I think you can safely say 'No' to Mr. Jepson, for I don't believe you care enough for him to become his wife, rich as he is."

But Arthur didn't dream of the threat the broker held over his mother.

## CHAPTER VII.—Dick's Unique Idea.

Business was unusually lively in the office next day, and Arthur was kept on the run. In the course of the morning, Mr. Jepson sent him to the Stock Exchange with a note for a broker. When Arthur got there he noticed that there was considerable excitement on the floor. While waiting for the official who stood guard at the gate to find the broker for whom he had brought the note, Arthur asked a D. T. messenger what the racket was about.

"Been a sudden advance in C. & O. shares," was the reply. "Act like a lot of lunatics, don't they?"

"That's what they do."

Just then the doorman came up with the broker Arthur wanted to see, and he handed him the note. The trader tore the envelope open and glanced at the writing.

"No answer," he said, turning on his heel and hurrying off into the melee.

Arthur started to leave. As he stood a moment at the door two brokers brushed by him, going out.

"It's a corner," the boy heard one say, "and the Newburger clique is behind it. That means millions at its back. No one can tell where the stock will go. I've just bought 10,000 shares."

Then they passed out of hearing.

"A corner, eh?" muttered Arthur. "I guess that is worth taking a shy at."

He considered the matter all the way back to the office. Then he looked at the ticker, which was singing a lively song, and saw that C. & O. was going at 49, with a decided upward tendency.

"There's surely something doing in the stock, all right," he breathed. "I might just as well make a few dollars out of it with the others. The main thing will be to sell out before the slump sets in."

Having decided to go in, Arthur asked for a half hour's leave, which was granted, and went to both his banks, drawing \$2,500 from one and \$1,500 from the other. He took the money to Parsons & Trip, and ordered them to buy 800 shares at not over 50. The purchase was made at exactly 50, and Arthur returned to the office. At lunch he told Dick what he had done, and that young man immediately followed his lead

to the extent of 300 shares, for which he had to pay 52. When the Exchange closed for the day the excitement around the C. & O. corner was tremendous and the shares had advanced to 57. Next day they rose to 67, and opened Saturday morning at 68 5-8.

At 11.30 they were 75, and Arthur concluded not to take any further risk, so he ordered Parsons & Trip to sell his holdings, which they did inside of ten minutes at 75 3-8. He ran downstairs to Denby, Coke & Co. and told Dick he'd better sell, too. Dick at once telephoned his broker to close out the stock, which was done a minute before noon at 76 3-8. This was the closing price for the day. Arthur figured that he had made a clean \$20,000 off the deal, and Dick calculated he was \$7,200 better off.

"Don't say I never did anything for you, old man," said Arthur, as they shook hands over the results. "This is the second winning spec. I've put you on."

"You're all right, Art. If I can return the favor you may depend on it that I will. I'll stand by you through thick and thin, if I break a leg doing it."

The office closed early, of course, on Saturday, but a few minutes before Mr. Jepson went away he called Arthur into his office and told him that his salary would be \$15 a week from that date. The boy looked his surprise.

"You're not to run errands any more. I'm going to give you charge of my Western business for the present," the broker said, by way of explanation. "I've ordered a desk to be put in the reception-room for you, as there is no room for it in the counting-room. It will be here shortly. If it doesn't arrive before the office is closed, I wish you'd wait until it does, and have the men place it in a suitable spot."

"I'm greatly obliged to you, sir," began the boy, but his employer cut him off.

"You needn't thank me, Arthur," he said, with a smile. "You're a smart boy, and have won your advancement. But there are better things in store for you—much better," he said, significantly, reaching for his hat and allowing the lad to help him into his overcoat.

Then he went out. Arthur was delighted with his raise, and pleased to think that his abilities had been recognized in so signal a manner. He might have entertained a different impression if he had known Mr. Jepson had received the following note in the first mail from his mother:

"Andrew Jepson: In reply to your note of the 8th, I can only say that my feelings toward you have undergone no change. I do not love you, nor ever can. But your unmanly threat to enlighten my dearly loved boy regarding his father's misfortune unless I yield to your wishes and marry you compels me to bow to your request, which I regard as a mandate. I give you my hand, but remember, that is all I have to give. In return I make one request—that you will not insist on this marriage taking place for six months. At the end of that time you may claim all that I have to offer you.

"Yours,

Jessie Forbes."

Mr. Jepson answered the note by special messenger, expressing his satisfaction at having won



even her reluctant assent to their union, assuring her she would never have cause to regret the step she had decided on, repeating his promise to do all in his power for her son's benefit, and finally granting her the six months' time she had asked for.

The furniture man hadn't brought the desk by the time the employees filed out on the way home, so Arthur had to wait for him. Dick, in the meantime, was waiting downstairs for his chum to show up. As he didn't do so, Dick came up to see what was the reason therefor.

"I've got to wait for a desk that's to be brought here," explained Arthur.

"All right; I'll wait, too. By the way, Art, I've been thinking it would be a great scheme if we could ring up some kind of communication between this room and our reception-room, directly underneath, so we could signal each other—a sort of telegraph, don't you know?"

"But we couldn't put a wire through the floor, even alongside of the window," objected Arthur.

"Don't need to, because there's one already in. I noticed that a long time ago. Before your firm and ours occupied these two floors there must have been a firm or company that had both, and the wire was probably put in to establish communication between the two floors."

Dick examined the wall alongside one of the windows, and showed Arthur where the wires still lay, close to the floor. Just then the furniture men appeared with the desk, and Arthur had them put it down in a space not far from the windows, so that it faced the door leading out into the corridor.

"Who's going to use this desk?" asked Dick, after the men had done.

"I am. I've been promoted."

"Well, you're the lucky boy. What I was thinking of is this: We can get an electrician this afternoon and have him fix this racket of ours up right away. No need of your letting Jepson know anything about it. He wouldn't kick, anyway. We'll have the connecting wires run to each of our desks and a button arranged underneath each, where it will be out of sight—see?"

"I see."

"Shall we do it?"

"Yes."

"All right. We'll go to lunch now, and then get the electrician."

By four o'clock Dick's unique idea had been carried into practical operation by an expert, and when the boys left for home their telegraph was in full operation, and all that remained was to agree on a small code of signals to cover the various purposes to which they expected to put it to use.

## CHAPTER VIII.—In Which Ralph Latimer Appears On the Scene.

"Well, mother," said Arthur, after supper that evening, "I think we've lived in Cannon street long enough. I'm in favor of a change to a more desirable locality."

"I have no objection to moving, my son, if it is your wish to do so. Where did you think of going?"

"I had an idea of buying a house in the Bronx."

"Buying a house!" she exclaimed, in some surprise.

"Sure. Why not? I believe I can afford a little luxury of that kind," grinned her son, cheerfully.

"Then you are really thinking of investing that \$4,000 you have in bank," she said, with an indulgent smile.

"Did you say \$4,000, mother?" laughed Arthur. "I'm afraid I'm making money too fast for you to keep track of my resources. I have made a few more dollars since I showed you my bank-books. If I keep on at my present rate I shall soon be able to buy an interest in Mr. Jepson's business, supposing he wished to take me in, or I cared to associated myself with him, which I think, would be doubtful."

His mother winced at the mention of the broker's name, and a guilty flush rose to her cheeks, for she had kept from her boy the knowledge that she had passed her word to wed Mr. Jepson after six months.

"How much have you made, Arthur?" she asked with a look of interest.

"Guess."

"I couldn't. Perhaps \$500."

If you added a nought, and then multiplied that amount by four you would come nearer the right figure."

"Twenty thousand dollars!" she exclaimed, incredulously.

"Exactly, mother. Twenty thousand dollars."

"Why, Arthur, I cannot understand how you manage to make so much money in stocks—you a mere boy. It seems incredible."

"Why, Dick cleaned up over \$7,000 in the same kind of deal, after I tipped him off. He's worth \$9,000, though six months ago his whole capital amounted to something less than \$200. He's going to buy a house in the Bronx, too, for his mother."

"I trust your good luck will continue. You must be very, very careful not to allow over-confidence to spoil the splendid beginning you have made."

"By the way, I've more good news to tell you, mother."

"More?"

"Yes. Things are coming my way in great shape these days. Mr. Jepson has advanced me from messenger to clerk, and my wages to \$15 per. How is that?"

Mrs. Forbes easily guessed why the broker had done so.

"It is very nice of him," she replied, but without any great enthusiasm.

Next day Arthur and Dick took a trip to the Bronx to look around and see what they could see in the line of a couple of houses, whose cost would not exceed \$5,000 apiece.

"They must not be too far apart," said Dick. "for we shall want to be within easy reaching distance of each other."

"That's right," nodded his friend. "The same block would about hit the nail on the head."

They called on a couple of agents, laid before them their wants and conditions, and received a number of permits entitling them to inspect divers buildings, most of which had been just erected. They picked out several for their parents



to look at, and, as the afternoon was now nearly spent, they returned to Cannon Street for supper.

It was a month, however, before two houses were finally decided on, and a deposit paid down, pending examination of title. Arthur's cost him an even \$5,000, while Dick secured a less imposing one for about \$4,000. Inside of another month the Forbes and the Bells moved into their new homes, which were within easy walking distance of an underground station on the West Farms branch. Thus four months passed from the time that Arthur was promoted to a clerkship in Mr. Jepson's office, and neither of the boys had made any very material addition to his capital. Arthur had nearly \$20,000 lying idle, as he called it, while Dick had about \$5,000.

One afternoon, about three o'clock, while Mr. Jepson was putting on his overcoat preparatory to leaving the office for the day, the door of the reception-room was opened and admitted a shabby-looking man, whose face showed pronounced traces of dissipation and a wayward life. Arthur got up from his desk and asked his business.

"I want to see Andrew Jepson," he said, almost roughly.

The boy didn't like the visitor's looks, and said:

"I think Mr. Jepson has gone home. Give me your name and I will see if he's still in his office."

"Tell him Ralph Latimer must see him, d'ye hear?"

Arthur carried the message into the private office, and found his employer putting on his hat. Mr. Jepson started visibly when his young clerk announced the caller's name, and he seemed undecided what answer to make. Finally he said, in a husky tone:

"Let him come in."

The boy retired and, nodding to Latimer, pointed to the partly open door. The visitor walked a bit unsteadily toward the private room, entered and closed the door behind him. Arthur could hear him talking in a loud, threatening way, and he wondered that Mr. Jepson would stand for it. As the moments flew by the caller's voice became more and more excited.

"I won't be quiet!" Arthur heard him say. "I want \$100, and I want it now—now, d'ye understand? If I don't get it I'll expose you. I'll tell all I know about that Forbes affair. I will, by Jupiter!"

A silence followed this outbreak, and presently Mr. Jepson, looking pale and agitated, came out, closed the door carefully after him and went to the cashier's window. He said something to Mr. Blake, and that gentleman went to the safe and brought him several bills. With these in his hand, the broker returned to his private office. A few minutes afterward the man who had given his name as Ralph Latimer came out of the room, looking flushed and triumphant. He gave Arthur an insolent stare and then walked to the corridor door like a landsman treading the deck of a steamer in a gale of wind. Grasping the knob to steady himself, he turned around and faced Arthur.

"Next time I come—hic—young man, show me inside without any—hic—frills. Understand?"

He leered at the lad, and then let himself outside.

"Who can that person be?" mused Arthur, in a perplexed way. "Why should Mr. Jepson tolerate such a person in his office? He seemed to be quite upset over it, too. Can it be that he has some hold over my boss? He threatened to expose him. What is Mr. Jepson guilty of? And what could the man mean by the Forbes affair?"

## CHAPTER IX.—The Family Riddle That Arthur Determines to Solve.

When Arthur got home, the first thing he had to tell his mother was about the strange visitor who called at the office that afternoon.

"I was sitting at my desk, which faces the door, when the man came in. He was half loaded, I could see that easily enough, and I told Mr. Jepson so when I announced him, which I had to do, as the office boy wasn't in at the time. He was a poorly dressed fellow, but looked as if he might have seen better days. He said his name was Ralph Latimer."

"Ralph Latimer!" gasped his mother, turning white, and looking as if she was about to faint. "The man whose testimony convicted your——"

She stopped suddenly and pressed her hand to her heart.

"Mother!" exclaimed Arthur, in a voice of great amazement. "What are you talking about? You speak as if you knew this man. What does this all mean?"

She had covered her face with her hands, and he could see the tears trickling through her fingers. She saw clearly that some terrible secret that must be connected with his dead father weighed upon his mother.

"Poor mother!" he breathed more than once. "She wishes to keep me in ignorance of it, whatever it is. To make her tell me, except as a last resort, would be cruel. I must find out for myself through other sources. I shall never be satisfied until I know the truth, be that what it may."

So when his mother grew calmer, though she trembled like a leaf whenever her eyes rested on her boy's manly young face, for she had seen a look in his eyes and had heard an accusing ring in his voice that had almost taken the life from her, he made no further reference to Ralph Latimer, or the subject which the man's name had called up. He was as tender and loving as he had ever been in his life. But this change in his manner worried her almost as much as if he had arraigned her again at the bar of his young soul.

"Oh, Arthur, my son, what can you think of me?" she cried, piteously.

"Think of you! Why, as I always have—as the dearest and best mother in the world."

"No, no; I mean about——"

"There, there, mother, we will drop the matter right here," he replied, soothingly. "I shall never question you further about this thing. If you think it is best to keep this secret from me, why——"

"I do, I do, Arthur. It is best you should never know. Your father met with a great misfortune, which led to his death; but believe me, my boy, it



was through no act of his. He was innocent! He was innocent!" she cried, fervently, raising her hands in earnest assertion.

"I believe you, mother. We'll let it go at that. I know father was guilty of no crime. I am sure he was an honest, upright man."

"He was. Oh, Arthur, he was!"

With a sigh of relief she put her arms about his neck and straining him to her heart, kissed him fondly. Then she got up and went into the kitchen to prepare their evening meal. Arthur Forbes was a clear-headed, quick-witted boy, and while his mother was busy in the other room, he pondered deeply upon this family secret.

"It seems clear that my father was brought to the bar to answer for some crime, and that Ralph Latimer's evidence convicted him," mused Arthur, thoughtfully. "How shall I get at the facts of the case? By making application at the district-attorney's office I should be able to fix the date of his trial, and maybe learn all of the particulars; that is, if it came off in this city, which must have been the case. I was seven years old when I lost sight of father, therefore I need to look up the files of the daily press ten years back to get the facts of the case as they lay before the public."

"Mother says father was innocent, and I believe he was. Therefore it looks as if he was the victim of unfortunate circumstances or the designing knavery of some enemy. Which was it? This man Latimer threatened Mr. Jepson with some exposure. He said he would tell all he knew about the Forbes affair, unless he received \$100 then and there. Clearly he has a real hold over my employer, for he got the money, and Mr. Jepson quietly put up with his insolence."

"In what way could Mr. Jepson have been implicated in the Forbes affair? In some way, apparently, that will not bear the searchlight of publicity. Mr. Jepson was engaged to marry mother before she knew father. Afterwards she married father and came to this city. Mr. Jepson, two years ago, asked my mother to marry him, and she seemed on the eve of doing so, even against her will, when the matter blew over, so far as I know. Can it be that Mr. Jepson engineered my father's ruin because he married the woman Mr. Jepson wanted himself? Is my employer that kind of a man?"

"If my father was convicted and sent to prison for a crime of which he was innocent, is it not my duty to leave no stone unturned to clear his memory by tracing the real facts of the case and exposing the conspiracy of which he was the victim? It is my duty, and I will devote every spare moment from this day to that purpose. It looks to me as if this Ralph Latimer holds the key to the riddle, therefore he is the man I must follow up and corner, by hook or by crook, until I can wring the truth from his lips."

At that moment Mrs. Forbes entered the dining-room to set the table, and so Arthur postponed further consideration of the weighty matter until another time.

## CHAPTER X.—How Arthur Got A Point On O. & G.

For the first time he could remember Arthur wanted to avoid the society of his friend Dick

Bell. So when his telephone rang that evening he did not answer it. Then he went downstairs and instructed his mother to tell Dick, if he called, that he was out.

"Where were you last night, Art?" was the first question Dick propounded to him next morning when they met on the way to the subway station.

"That's a secret, old man," replied Arthur. "So don't ask any more questions on the subject."

"I thought we were not to have any secrets from each other?" asked Dick.

"Not as a rule. This is an exception."

"Say, did you read about the broker that was chloroformed in his office and robbed?"

"No."

"There's a column in the morning paper about it. Nobody knew anything about it for hours, though there was a meeting of the board of directors of the company which occupies the offices underneath. If that broker only had had a telegraphic attachment like ours as a precautionary arrangement, he might have sent an alarm to the people downstairs, and the rascals who committed the outrage would probably have been caught red-handed."

"That's right. We'd better add a danger signal to our code, hadn't we? Some day a crank might come into either of our offices and threaten to blow us up unless we coughed up some money. I've heard of two or three such cases. He'd probably hold us up so we could not get to the telephone, or out of the office, then how handy it would be for me to push the button on the sly, and if you were in, as you generally are now, like myself, why, you would understand we were in trouble, and you could telephone for the police, while I kept the rascal waiting until the cops came to nail him."

"It would be fine if it worked out as you say."

"No harm having this signal, is there?"

"Sure not."

"But remember it must never be rung up as a joke, do you understand?"

"I understand. What shall it be?"

"It must be something short, say one continuous ring of no particular length. If you ever hear me give that kind of signal you may know there's something serious going on upstairs, and telephone for the police at once."

"All right, old man; but I guess you'll never give it. There isn't one chance in a thousand of anything happening in your place that will call for it."

"You can't tell. It's best to be on the safe side."

As it happened, it was fortunate that this arrangement was made by the two boys. That afternoon Mr. Jepson sent Arthur to the safe deposit company to get a package of bonds out of his box. He had to wait a while in the reception-room, and he took up an afternoon paper he saw there to read a moment or two. Two richly dressed ladies presently entered from the vaults and went to a small desk within earshot of him. One had a package of papers in her hand which she began to sort over, but like a woman she kept up a conversation at the same time with her friend.

"You'd better get a block of the stock, too, Edith," she said. "I'm going to put up all of



these securities as collateral for 1,000 shares. It's selling to-day at 59, but in a week from now my husband says it will go above 70."

Arthur was all ears the moment he got onto the substance of the lady's conversation.

"How do you know it will go up?" asked her friend.

"The directors of the road held a meeting in my husband's offices yesterday afternoon. They have bought the O. & G. railroad, which runs into the mining belt, and are going to consolidate it with the S. & T. My husband says there are 20,000 shares of O. & G. stock out, which must be bought in before the news gets out, and he is authorized to buy them. I'm going to try and get 1,000 shares, and then I'll make my husband take them off my hands at an advance, or I'll hold them till the rise comes. Won't that be a good joke on him?" laughed the speaker, who thought she was doing a very clever thing.

"Oh, my, aren't you smart, Lydia!" exclaimed her friend, admiringly.

"Remember, this is a profound secret, Edith," said the first lady. "You mustn't say a word about what I have told you for your life. I have given you what my husband calls a tip, and such things are scarcer than hen's teeth. Draw some of your savings and go to a broker and see if he can find you some of O. & G. stock. If you can get even a hundred shares you'll be sure to make some pin-money for yourself, and that's something that's always welcome."

The speaker having sorted and wrapped up her securities, the two ladies started to leave just as an attendant entered to escort Arthur to the vaults.

"Who is that lady in the brown silk and picture hat, do you know?" asked the boy of the attendant.

"Oh, that's Mrs. Isidore Finkelbaum, wife of the big Exchange Place broker. You know Cohen, Finkelbaum & Newburger, don't you?"

"Sure."

"Her husband is the head of the firm."

"Thanks. She's very stylish, isn't she? Got lots of money, I guess."

"I'd like to own half of what she's worth in her own right, without talking about the old man himself. They say Finkelbaum is a multi-millionaire."

"So I've heard. He's one of the directors of the S. & T. road, I've been told."

"Yes, and half a dozen or more other corporations."

Arthur got the bonds that Mr. Jepson wanted from his box and returned to the office.

"That's a first-class tip I got on to that time. Nothing like a woman for giving things away sometimes. Now the question is how am I to get hold of some of those shares? They are probably not to be easily got in open market, as there are only 20,000 out, and I guess they're held by persons likely known to Mr. Finkelbaum, who is already skirmishing around after them. It will be a great pity if I get left on this thing. Well, the only thing I see that I can do is to leave an order with Parsons & Trip to buy any part of 3,000 shares at 60, if he can get them on the market."

It was too late then to do anything, as the banks were closed for the day, so Arthur had

to put the matter off until next morning. On the way home he told Dick about the tip, saying that he had grave doubts about being able to secure the stock.

"What did you say was the name of the road?" asked his friend.

"O. & G. It's a short line, I find, running into the mining belt."

"Are you sure it's O. & G.?" asked Dick, showing some excitement.

"Positive."

"Then I know where there's 4,000 shares."

"You do?" excitedly. "Who's got them?"

"Denby, Coke & Co."

"Your firm?"

"Sure as you live. A customer of the house traded them off to-day at 59 1-8 for Denver & Rio Grande."

"And they're still in your office?"

"They were in the safe when we closed up."

"Dick, are you in with me in this deal?"

"Bet your life I am. Anything you say goes with me every time."

"You've got \$6,000, haven't you?"

"Yes, and \$800 over if anybody should ask you."

"Get your \$6,000 first thing in the morning. I'll put \$18,000 to it and give Parson & Trip an order to buy 4,000 shares of O. & G. I'll tell them that your firm has the stock for sale. We must get in on this ahead of Finkelbaum."

Arthur's bright plan was duly carried into effect next morning, but the stock cost the upset figure of 60. Ten minutes later Isidore Finkelbaum got track of the stock and went to Denby, Coke & Co. to get it, but was told that he was just too late, as they had sold the block to Parsons & Trip. Finkelbaum went to Parsons & Trip with an offer of 61 for the stock, and they communicated with their young customer, Arthur Forbes.

"Nay, nay, Pauline!" wrote Arthur, back. "Hold on to it till further notice."

So Parsons & Trip sent their messenger around to Cohen, Finkelbaum & Newburger with word that the shares were not for sale at that price. Finkelbaum then raised the ante to 62, but he didn't get the stock, just the same. Then he inquired what Parsons & Trip's customer wanted for it.

"He seems mighty anxious to get that stock, don't you think?" said Arthur to Mr. Trip, when he stopped in at his brokers' on the way to lunch with Dick.

"He acts as though he was," admitted the junior member of the firm. "What do you want for the block?"

"I haven't decided just yet," answered the boy.

"If I was you I'd set a figure, but I don't think you'll get over 63, if you get that. The last sale on the market was 59 7-8, an eighth lower than you authorized us to pay Denby, Coke & Co. for the stock. You must be working on some tip, young man."

"What makes you think so?"

"Shows itself on the face of it that you must have some inside information or you wouldn't pay more than the market price for the stock. Then there's Finkelbaum fishing for it as if that was the only block of it to be got."

"Perhaps it is," replied Arthur, with a wink.



"If he wants it he's got to come down handsomely or he don't get it. I wouldn't sell it to him at 70 if he made the offer."

"The dickens you wouldn't!" almost gasped Mr. Trip.

"That's right. You can tell him that the stock isn't for sale under 70, even if he can get it at that price."

Arthur said "good-day" and left, and Mr. Trip sent an answer to Mr. Finkelbaum, the purport of which rather disgusted the multi-millionaire.

## CHAPTER XI.—Arthur Performs An Heroic Act.

That evening Arthur and Dick paid a visit to the Cannon street neighborhood to see one of their old acquaintances, a young printer, who lived on the third floor of one of the tall tenements of the district. The three boys spent a cheerful evening together, and the visitors were about to take their leave when suddenly a big hubbub arose in the building.

"What the dickens is the matter?" asked Dick, starting to his feet.

"The Mulligans upstairs are having a party to-night," grinned the printer, "and I wouldn't be surprised if it was breaking up in a row."

The boys listened and could hear a babel of sounds above, the overturning of furniture, a lot of screaming from the girls, and a yelling and tumbling downstairs of a mob in great confusion. Then came a shrill scream of "Fire!"

The cry was taken up by others, amid a banging open of doors, more screeching and the deuce to pay generally.

"My gracious!" exclaimed Arthur. "I believe the house is on fire."

"I hope not!" cried the printer, turning pale. "There's a young girl with a broken leg on the top floor. She'd never be able to get out."

"Why not?" asked Arthur. "She isn't alone, is she? Some of her folks will be sure to look after her."

"She and her father live in two rooms in front, and the chances are he's down at the corner gin-mill, half soaked by this time. I saw him go out just before you chaps came in."

The boys ran to the window and looked out. A crowd was beginning to collect in the street, and everybody was looking up at the floor above. The tenements opposite were alive with people in the windows and on the fire-escapes, all looking over, and many of them gesticulating.

The racket in the hall increased, and the cry of "Fire!" was frequently repeated, passing from lip to lip. They ran to the door, and the odor of burning wood was plainly distinguishable, while the smoke came rolling down the stairs.

"We'd better get out while we've got the chance," cried the printer, making a dash for the stairs and going down three steps at a time.

"What about the girl on the top floor?" cried Arthur, as Dick made a break for the staircase.

"If she isn't out by this time she never will be," answered Dick, excitedly. "Look at the smoke coming down. The whole floor above must be in a blaze."

A piercing scream came from far above.

"That must be her now!" cried Arthur. "We can't leave her to perish, Dick."

"What can we do?" gasped Dick, choking and coughing from the smoke that was growing denser each moment.

"We must do something, old man. Hark! Don't you hear her? By heavens, I can't leave her to perish without an effort to save her."

"You can't get up there to save your life, Art, and if you did you'd never get down again. There's the flames now all about the hall. Come on."

Arthur, however, instead of following his chum, who was already staggering half-way down toward the second floor, made a rush up the smoke-covered stairway toward the blazing floor, now all alight with the fast-increasing fire. The screams of the poor girl that came down to him with harrowing intensity, appealing to all the chivalry of his nature, urged him to attempt her rescue at the risk of his own life. But the barrier of flame and smoke which opposed his gallant effort was too much for him, and he was forced back, half strangled and blinded. Had he been cooler he might easily have seen that it was an utter impossibility for any one to reach the top floor by the stairs. The smoke alone would have prevented it, but now the flames were bursting out fiercely and hungrily lapping the walls and floor of the hallway above. With the girl's frantic screams ringing in his ears, he made one more mad attempt to mount the stairs, but he was driven down again.

"Great heavens! I can't get up there! She'll perish in the most awful of deaths! Can nothing be done to save her?"

He was now in great peril himself, for the stairs below were thick with smoke as was the passage from which he had been obliged to retreat into the room where he had spent the evening.

"Ha! The fire-escape is in front. Perhaps I can reach the top floor that way."

He ran forward, threw up the window and stepped out. A roar from a hundred voices greeted his appearance. He now heard the jangle of the engine bells, and, looking up the street, saw a fire engine coming full tilt down the crowded thoroughfare. Another one swung around the corner just below. The uproar and excitement were growing with every moment. A score of voices roared at him to come down. He cast his eyes upward.

The smoke was rolling in dense volumes out of the windows above, and tongues of flame darted through them. As they cleared for a moment he saw that smoke only was filtering out of the top floor. With the agility of a monkey, he darted up the fire-escape. A babel of cries went up from the street, and the tenements around, as his foolhardy action was observed. Nobody could understand what his object was.

As he reached the platform of the escape on the fourth floor he was fairly engulfed by the smoke and flames, and for a moment was lost sight of. But in a moment he was seen making his way to the fifth floor. Arriving at that platform, he was seen to kick in the panes of ones of the windows, unfasten the catch and lift the sash, then he disappeared inside of the building.



"He's lost!" cried fifty voices.

Arthur rushed into a back room, where he beheld a young and pretty girl beating at the bottom of the door with her hands and moaning piteously. She had dragged herself from the bed, but could get no further.

"Save me! Oh, save me!" she cried, holding out her arms to him.

"I will," replied the boy, with heaving breast.

He grabbed up some of the bed clothes, wrapped them about her, and seizing her in his strong arms ran to the front window and stepped out on the fire-escape. A roar like a tempest note smote on his ears as the crowd below saw him and his burden. A score of firemen were now dashing toward the building, and they, too, saw him. But all escape for him and the frightened girl seemed cut off by the flames pouring out through the windows of the floor below.

Wrapping one end of the blanket about the girl's head, and drawing in a long breath himself he fairly slid down the ladder through the fire and fell in a heap on the hot platform. Staggering to his knees he crawled to the opening, and blindly groped for the second ladder. The onlookers believed he had been overcome, and a shudder went through a hundred frames. At last he was seen to be working his way down through the blinding smoke to the platform he had originally left, and a cheer went up from the mob. He reached it, stood up and leaned, panting, over the edge of the fire-escape railing.

Bracing his nerves for another effort he gained the next ladder and went down to the second floor platform with his burden and into the arms of two firemen, who had just pulled themselves up there. The girl was taken from his arms and passed to the street, and immediately after he was lowered, limp and insensible, his face scorched and blackened, and his hands blistered and puffed up from the flames. He did not hear the rousing cheer that greeted the successful termination of his gallant act, while he was borne, under the admiring gaze of hundreds of eyes, to a neighboring drug store, where he was followed by Dick, who pushed his way in through the crowd blocking the doorway.

## CHAPTER XII.—Mabel Latimer.

While the druggist and his assistant were bringing Arthur and the rescued girl to their senses, Dick Bell was answering questions being put to him by a reporter. At that moment a wild-eyed man fought his way madly through the mob at the door and got into the store.

"My child! My poor little girl! Where is she? Don't tell me she is dead! Where is she, I say?" and he glared at an officer, who had seized and held him back, struggling like a maniac.

"Your child is all right," he said. "Be quiet."

"Let me see her!" cried the man, whose disheveled hair and bloodshot eyes too clearly showed he was but half sober at that moment.

"Father!" came a weak voice from the back room.

"You hear? She is calling me. Let me go to her. Let me go!"

The officer led him around the counter and into

the small room, the shelves of which were packed with bottles, and boxes, and packages of drugs and other stuff connected with a drug store. He dropped down beside his little girl and took her hand gently in his and began to murmur broken sentences.

"I am safe, papa," she answered him. "A brave boy carried me down the fire-escape through the flames and smoke."

"Where is the boy?" cried the wretched-looking man. "I want to see him. I'm his friend for life."

"Sure, it's a fine-looking friend you'd make," muttered the policeman, in a tone of disgust.

"The boy is outside in the store," replied the druggist.

The man got upon his feet and staggered into the store where Arthur, now entirely recovered, was giving his story to the reporter.

"You saved my child!" cried the half-drunken man, grasping his hand and squeezing it. "I may be drunk, but I'm a gentleman. A gentleman, understand? I want to thank you for saving my Mabel. I want you to understand I'm your friend—your friend for life."

"I don't want any thanks," replied Arthur. "I'm glad I got your child out. I just managed to do it by the skin of my teeth, but what's the odds so long as I did it. She's got a broken leg, I believe, and couldn't get out by herself."

"Broken leg? You're right. You're a brave boy. Young hero. Glad to know you. Name is Latimer—Ralph Latimer. What's yours?"

Arthur started at the name and looked hard at the speaker. He never would have recognized him as the man who had called on Mr. Jepson the afternoon before. But after a closer look he saw a certain resemblance which told him that this was the same man, indeed.

"So you are Ralph Latimer, are you?" Arthur said.

"I'm Ralph Latimer. Once a gentleman, now—well, the less said about the matter the better, but some people would call me a bum—a drunkard. But I drink no more. I'm done with it. Might have lost my little girl—my only friend—'cause I was lushing at the corner instead of being at home to protect her. You saved her. You're a gentleman. What's your name?"

"My name is Forbes—Arthur Forbes."

"Your name is Forbes? Name is familiar. Knew a man by that name once. Hate to say it, but I sent him to prison—State's prison, understand? Too bad, for he wasn't—never mind. Can't interest you. You're another Forbes. Brave boy and a hero. Never forget you if I live to be a hundred—never, understand?"

"I want to have a talk with you when you get sober, Mr. Latimer."

"Talk with you as long as you like. Name time and place, I'll be there. I'll be all right tomorrow. Sober as a judge, understand?"

Arthur considered how he could make the appointment.

"Where are you going to take your daughter to-night?" he asked.

"Don't know. Somebody 'round neighborhood will take her in till I can raise the money to get another place. Busted now, but know where to get wad. Regular gold mine. Don't dare refuse, or make things hot. Don't mind me," with



a foolish grin. "Talking through my hat. Always do when under influence."

"Well, you go out and find a place for your daughter to stay, and my friend and I will help you move her," said Arthur.

"I'll do it. You're a gentleman. Brave boy. Owe you for saving Mabel. Never forget favor long as I live, understand?"

"Wait a moment," said Arthur, as Latimer started to go. "Say," to the assistant in the store, "can't you give this man something to sober him up a bit?"

"I'll give him something that'll help him, I guess," was the answer.

The clerk prepared a drink and brought it to Latimer.

"What's this?" the man asked. "Give it name."

"Never mind the name. Drink it down and it will liven you up."

Latimer looked at it suspiciously.

"It's all right," said Arthur. "It will do you good."

"All right, if you say so. Do anything for you," and he swallowed the mixture.

Then he left the store, and Arthur went back into the small room where Mabel Latimer, now quite recovered, had been asking for him. She was a sweet-faced girl of nearly fifteen years, with hazel eyes and nut-brown hair. There was an air of refinement about her that contrasted strangely from her lowly position in life, and she looked to be more than ordinarily intelligent. She held out her hand to Arthur with a smile that seemed almost angelic to the boy.

"You saved my life," she said, in a low, sweet voice. "I thank you from my heart. Oh, you don't know what I suffered until you came. I thought I would be burned to death. I could own crawl as far as the closed door. I pounded and screamed, but no one seemed to hear me. I could smell the thick smoke and feel the heat of the flames in my face, and hear the crackling of the wood. It was dreadful—dreadful. I shall never, never forget it as long as I live."

"I am very glad I was at hand to render you this service," replied Arthur.

"You are so brave—so noble," she said, gratefully. "You risked your life for me when everybody else in the house ran away. You do not live there. You are nicely dressed, and so different from the people of this neighborhood. You saw the fire from the street and came up to save me, did you not? How could you know that I was lying helpless on the top floor?"

"I used to live in Cannon street, and was visiting a friend on the third floor when the fire broke out. I heard that a girl with a broken leg was on the top floor. I heard you scream for help. I simply couldn't let you perish without making an effort in your behalf. That's all there is to it, and I hope you won't think about the matter any more."

"Oh, but I can't help thinking about it, and about you. You believe I am deeply grateful to you, don't you?" wistfully.

"Sure I do. You will oblige me by letting it go at that."

"But you will call and see me when we have a new place to live. You won't mind father. He drinks, but he is good to me. It would have killed him if I had been burned up. He has been un-

fortunate. We were better off once, but since mother died everything has changed, and we have been growing poorer and poorer. You will let me see you again, won't you?"

"Certainly. And I want you to do me a favor, Miss Mabel."

"Oh, I will do anything for you!"

"Then don't let your father forget that he has promised to give me an interview. You will remind him to-morrow, for he may forget when the excitement is over. It is very important to me."

"I will see that he meets you if you will select a place," she said, with just a mite of wonderment in her eyes at the boy's eagerness for an appointment with her father.

"He has gone to find a place where you can be removed to temporarily. I will carry you there, and it will be there I will call to-morrow night."

"I understand," replied the girl, earnestly. "I shall be glad to see you, too."

Ralph Latimer now reappeared. He appeared to be a good bit more sober than when he left the store.

"A family down the block will take my daughter in and keep her a while till I can get rooms," he said. "I will carry her down there, and you must come with us, young man. I want to talk to you."

"I'll carry her for you," said Arthur. "Or would you rather your father should?" he asked, turning to the girl.

"I should like you to carry me, if you are willing. I'm afraid father is——"

"Oh, I'm all right, little one!" said Latimer. "But he can carry you, if he wants to. He won't get away, then, before I can talk with him."

"Wait for me here, Dick," said Arthur. "I will be back soon."

Wrapping the blanket well about Mabel Latimer, Arthur raised her in his arms and, preceded by her father, left the store, and pushed his way through the curious throng of spectators who were watching the fire, now almost out.

## CHAPTER XIII.—Arthur Takes the Bull By the Horns.

The family who had agreed to shelter Mabel received her with many expressions of sympathy. They were poor people, like the majority of those living in that district, but they were good-hearted, and were always eager to alleviate distress when it lay in their power to do so. Arthur bade Mabel good-night, and promised to see her on the following night. Ralph Latimer followed him to the sidewalk.

"See here, young man, you've done me a great service, and I want you to know that I'm grateful for it."

"You've already thanked me," replied the boy.

"Maybe I have; but I guess I was not myself at the time, and I don't know what I said. It won't do any harm to thank you again. I s'pose you think I'm a hard case. I don't look like a gentleman, do I?"

"Clothes don't always count," said Arthur, evasively.

"It isn't that. It's drink. Drink has been my curse."



"Why don't you give it up, then?"

"Why don't I fly to the moon? Because I can't. Booze has got me down, and is holding me down. I'd do anything in my power for my Mabel's sake, but to save my life I can't stop drinking. I've tried to—tried hard, but it's no go. It fetches me every time."

"Will you go to a sanitarium if I pay your way there?"

"Sanitarium! You pay my way! What do you mean? You speak as if you had money to burn. What interest can you take in a man who, even if he was once a gentleman, has now sunk so low as to have to live in the meanest apartments and slowly break his child's heart because the fiend of intemperance has fastened his clutches into him and will not let go? No, young man, I am past cure. If there was any hope or chance for me, my Mabel would save me. But she can't do it. I'm cursed, and perhaps I deserve it. Suppose I tell you that I swore a man's character, aye, his life, away, for the disgrace of the prison stripes I fastened upon him killed him, and that I knew at the time that this man was innocent, what would you say? That I am only reaping the seed that I sowed. You'd say that, wouldn't you?"

"You can swear that he was innocent!" cried Arthur, trembling with excitement.

Ralph Latimer seemed suddenly to recollect himself, for he paid no attention to the question, but turned the matter off with an unpleasant laugh. Arthur, however, was aroused, and he determined to force the issue with Latimer then and there, instead of waiting till another time as he had arranged in his mind to do. He relied upon the man's gratitude, which seemed to be sincere, to win him over. At any rate, he thought it better to work the iron while it was hot, as the saying is.

"Look here, Mr. Latimer, you say that you're grateful to me for saving your daughter's life."

"Grateful! Young man, I couldn't tell you how grateful I am if I talked all night."

"You mean that?"

"I do mean it, as heaven is my judge. Do you doubt it?"

"I believe you, but I want you to prove it."

"You want me to prove it?" replied Latimer, slowly.

"I do. You can do me a favor——"

"I'll do any favor in my power. What is it?"

"I want you to tell me the true story of George Forbes—the man who was tried for a crime of which he was innocent, and who was convicted on your evidence."

Ralph Latimer regarded his questioner for a moment in speechless consternation.

"You want to know the story of George Forbes!" he exclaimed, hoarsely. "What do you want to learn about him? What was he to you?"

"He was my father."

"Your father!" gasped the man, fairly staggered.

"Yes, my father. Tell me the truth, I beg of you. Tell me what crime he was accused of. Why was he accused, and whether Andrew Jepson was at the bottom of the conspiracy to ruin him."

"How do you know I can tell you anything?" asked Latimer, doggedly.

"I know you can. Your own admissions to-night satisfy me that you can, if you will, clear my father's memory of the stain that rests upon it. Do this in gratitude for the peril I faced to-night in behalf of your daughter. Do it, and I will see that your future and that of your daughter is provided for."

A strange expression came over Latimer's face.

"I know more about you than you think, Mr. Latimer," continued Arthur. "I know that you were in Mr. Jepson's office in Wall Street yesterday afternoon. I know you threatened to tell all you knew about the Forbes affair—those were the words you used to him—unless he gave you \$100, and you got the money. I know that you were the chief witness against my father at the trial. I want you to tell me, his son, the whole story. A moment ago you said you were reaping the harvest of the seed you sowed. That you deserved the curse which had fallen upon you. You said, practically, that the disgrace of the prison stripes killed the man whose liberty you falsely swore away. Mr. Latimer, will you do my dead father justice?"

Ralph Latimer listened to Arthur Forbes' impassioned appeal with conflicting emotions. He saw that he was driven into a corner. That he had to some extent, incriminated himself. Besides, he owed this boy a debt of gratitude that he now had the chance to pay. But if he made a clean breast of his guilty knowledge he would kill the golden goose that promised so much for the future. Still this boy had said that he would take care of him and his child. He must have money, then.

"How do you know I was at Mr. Jepson's office yesterday?" he asked, curiously.

"Because I saw you there."

"You saw me?"

"I did, and spoke to you."

A light broke in on Mr. Latimer's mind.

"I thought I had seen your face before. You were the clerk at the desk."

"I was."

"And you listened to our conversation?"

"No, I did not. But I could not help hearing a few words, for you spoke so loudly that any one in the reception-room could hear you."

Latimer said nothing more for a moment or two. He seemed to be considering. At length he decided upon his line of action.

"Come with me," he said, grasping Arthur by the arm. "This is no place to talk confidentially."

He led the boy down a side street till they came to a vacant space that was boarded up. There was no street lamp near, and their figures were in the shadow.

"Look here, my boy, you saved my daughter's life to-night; in return for that I'm going to tell you all you want to know."

"You shall lose nothing by it, Mr. Latimer. You will be provided for in a more honorable way than bleeding Andrew Jepson on the strength of your criminal hold upon him. I have a good deal of money for a boy of my age, and I would spend every cent of it to see justice accorded my wronged father."

"Never mind about that. I know what my Mabel would say if she knew what you have asked me to do for you. She is an angel, and I am not deserving of the love I know she bears for me—a mere wreck of a once respect man. I'm



going to tell you everything, and if you bring a charge against Andrew Jepson I'll go on the stand and swear to the truth of it, if I am sent to prison for perjury."

"I hope you will never be sent to prison by me, Mr. Latimer," replied Arthur. "For the sake of your daughter, as well as the gratitude I shall bear toward you for clearing my father's name, I will shield you from the consequences of your false swearing. Do not fear. You will be safe."

#### CHAPTER XIV.—The Confession of Ralph Latimer.

"Nine years ago your father was cashier for Cohen, Finkelbaum & Newburger, the Exchange Place brokers. You know the firm?"

"I do," replied Arthur, breathlessly.

"I was their head bookkeeper at the time, and a close friend of George Forbes, whom I always liked, because he was a good-hearted fellow, and as honest as the day is long."

"You were his friend, and yet you——"

"Betrayed him? Yes. I don't deny it. I helped to ruin him."

"Why did you do this?" regarding Latimer with a feeling of resentment.

"Why? Because I was well paid for my part in the conspiracy."

"You mean to say that you profited by my father's downfall?"

"I did. I needed the money. I was something of a high roller in those days. I had acquired expensive habits, which my salary would not cover. Besides, I had just married, and the scale on which I attempted to live got me head over heels in debt. I was being pushed to the wall by my creditors. At that unlucky time I was approached by a man, then a struggling broker, but now one of the eminent lights in the Street——"

"You mean Andrew Jepson?"

"He was the man."

"And I have looked upon him as my best friend!" cried the boy, with a shudder.

"I had been speculating in the market through him. My last deal had resulted disastrously, and I owed him a balance I couldn't pay. He took advantage of that fact, as well as the knowledge of my manner of living, which he had taken pains to investigate, to make me understand that I was under his thumb. That a word from him to my employers would result in my instant discharge. He had me where the hair is short, and I was at his mercy. Then he confided to me that he owed George Forbes a grudge—why, I have never known."

"But I know," broke in Arthur, impetuously.

"It was his purpose to ruin Forbes, and he said I must help him do it. I objected, but he turned the screws on me, and then held out a golden bait to silence my scruples. To cut the matter short, I agreed to do as he wanted."

"And that was——" breathed Arthur.

"To substitute a forged bond for a genuine one in a package of securities, then go to Mr. Finkelbaum with a story which would lead to an investigation that would cause suspicion to fall on George Forbes who had charge of the signed and unsigned bonds of the new railroad com-

pany, of which Mr. Finkelbaum's signature, and the signatures of the vice-president and treasurer of the railroad company, were found hidden away in Forbes' desk. I had put them there."

"You!" cried the boy, in horror.

"It was part of the evidence provided by Mr. Jepson to incriminate your father."

"Then you did not forge them yourself?"

"No. Andrew Jepson did everything in that line, for he was a clever penman. It was well that I had no hand in it, for my evidence was impeached at the trial and a dozen specimens of my handwriting was examined by an expert in the interest of the defense, in order to establish the prisoner's plea of criminal conspiracy against him. In the end I went on the stand and swore that I had seen George Forbes copying the signatures from the genuine originals. In his own defense he swore to the contrary, but the jury believed me with the evidence of the forged bond before them, and your father was convicted."

"Poor father! What he must have suffered!" said the boy, in a broken voice.

"He suffered deeply, I've no doubt, but nothing to the pangs of remorse that afterward assailed me. On the night I heard of his death I walked the streets till daylight—a haunted man. Haunted by the unquenchable memory of the Judas-life act which had brought about his utter ruin. From that day I took to drinking deeply in an unavailable effort to escape from myself. I broke my wife's heart," a sob shook his voice, "and I have brought misery and sorrow to my only child. To-night I left her alone, helpless as she is, in the top floor of that tenement—and I have done the same, night after night—to fill my worthless carcass with liquor at a common corner gin-mill. But for you she would now be a blackened corpse, and I a wretched, broken-hearted mourner."

"Boy, do what you will with this confession. I am ready to put it down, with every particular, on paper and sign it before a notary. And if you prosecute Andrew Jepson, I will go before the Grand Jury and testify to my share in this conspiracy. I fear, though, you can do nothing unless you could discover the original bond, which I brought to him so that he could duplicate it on one of the unsigned blank bonds. It is probable that he destroyed it after he used it. I should imagine he is too artful a scoundrel to keep such a thing long in his possession. The police, of course, searched your father's home for it, and, naturally, did not find it. Its disappearance was made one of the principal features by the lawyer for the defense, but did not avail."

"What was this bond?" asked Arthur, with curious interest.

"It was bond 113, of the C. & L. B. R. R. of New Jersey."

"Mr. Latimer, I want you to write out your statement, down to the minutest particular, swear to it before a recognized notary and give it to me when I call down here to-morrow night. Will you do this?"

"I will. You will find me with my daughter, and I shall be waiting for you."

"Very well. Do you want any money?"

"No. I have fifteen or twenty dollars left of the money I got out of Jepson. I shall give that to my daughter, that I may not have the price to gratify the thirst that is forever upon me."



In the meantime, Dick Bell waited with increasing impatience at the drug store for his chum to return. An hour passed and still there was no sign of him. The fire was all out and the engines had gone back to their homes.

"He must have fallen into the sewer," growled the wearied boy. "This is worse than waiting for your mother-in-law to go home. 'Gee! It's twenty minutes past eleven. I wonder if he hasn't forgotten that he left me here. If he doesn't show up in five minutes, blamed if I don't——'"

At that moment Arthur walked into the store.

"Suffering tadpoles! Where have you been all this time?" demanded Dick, with a look of virtuous indignation.

"I've been doing the business of my life," replied his friend.

"I should think you was. Why, you've been gone an hour and ten minutes."

"Well, are you ready to go home?"

"I've been ready for an hour."

"Then come along."

They left the store at a brisk walk.

"You haven't told me what detained you," said Dick.

"I'll tell you one of these days."

Dick was satisfied, and soon afterward they reached an underground station and took a train for the Bronx.

#### CHAPTER XV.—Bond 113, C. & L. B. R. R.

The efforts made by the broker employed by Mrs. Isidore Finkelbaum to purchase 1,000 shares of O. & G. on the Exchange only brought 100 to the surface, and he had to give 65 for it. It served to draw attention to the stock, and several other brokers tried to get some of it, which resulted in uncovering a few hundred more shares at different figures, the highest being 70, under lively bidding. Arthur had something more important to engage his attention than the fate of his latest venture, though all his money was invested in it, still he did not entirely forget his stock interests in his anxiety to right his father's good name.

Even if he had, Dick would have jostled his memory, for Dick kept a close eye on the upward flight of O. & G. When the ticker recorded the 70 mark he congratulated himself that so far he was \$10,000 ahead on the deal.

"And just to think Art is \$30,000 to the good. I wonder when he means to close out? I must ask him when we go to lunch."

Arthur had Ralph Latimer's sworn confession locked up at home, and he spent much time considering what use he would make of it. Although the boy endeavored to treat Andrew Jepson with the same politeness as formerly, he did not wholly succeed. His feelings towards the man who had brought about the ruin of his father were bitter indeed, but he hesitated to use the evidence he had in his possession, lest it be insufficient to accomplish the object he aimed at.

"If I only knew whether that original bond of the C. & L. B. R. R. was in existence I'd move heaven and earth to get hold of it. With that in my hands I could bring Mr. Jepson to the bar of justice and clear the stain from father's name."

But the longer Arthur pondered upon the matter the slimmer grew the hope that the bond was in existence.

This was the condition of affairs when, two days alter, Mr. Jepson called Arthur into his private office and asked him to help him move his desk out from the wall, as he had accidentally pushed a stock certificate behind it. The boy obeyed the request, and when the desk had been moved he saw the certificate on the floor on the top of a layer of dust which had been accumulating for years.

"Pick it up and lay it on my desk," said his employer, walking out into the reception-room to take a look at the ticker.

Arthur picked up the certificate. Then he noticed another document almost wholly smothered in the dust. Wondering what it was, he picked it up and knocked the dirt from it by beating it against the back of the desk. Opening it, he recognized the familiar appearance of a bond. One sharp glance at the engraved name at the head of the sheet and his heart almost stood still. It was a C. & L. B. Railroad bond. And the number was 113. He knelt there gazing upon the document as if fascinated and unable to stir. How long he would have remained in this condition if his employer's voice in the reception-room had not broken the charm we cannot say, but with a start he refolded the bond in haste and thrust it into his pocket, just as Mr. Jepson reentered his private office.

Then he sprang up, laid the certificate upon the desk and waited for the broker to give him a hand to lift the heavy desk back to its former position against the wall. This done, he returned to his own desk in the reception-room, in a curious state of mental tumult. He could hardly believe that the fateful bond 113 was actually in his possession, and he had to take it from his pocket and warily examine it once more before he was certain that he really had the missing link of evidence.

That night he went down to the neighborhood of Cannon street to see Ralph Latimer and, incidentally, Mabel, between whom and himself had already grown a strong bond of sympathy and friendship. There was not a suitable place in the tenement where Mabel was still staying for them to indulge in conversation of a confidential nature, so they went to the spot outside the boarded lot, where they had held their first interview. Ralph Latimer was entirely ignorant of the fact that he had been shadowed by two different men in turn whenever he appeared on the street that day.

Andrew Jepson, recognizing that his black-mailer was a disagreeable as well as dangerous problem, had resolved to squelch him. His plan was to kidnap Latimer at a suitable opportunity and sequester him in a private sanitarium for incurable drunkards, where he would be encouraged to drink himself to death and thus wind up his worthless career.

When Arthur and Latimer came out of the tenement to seek a quiet spot to talk, they were followed down to the fence by one of the men who had been employed by the broker to watch the latter. This person couldn't get within ear-shot of his quarry without being observed. He decided to get behind the board fence, if he



could, without his presence being discovered. He accomplished this by entering one of the buildings adjoining the lot, passing through the hallway to the rear and climbing over the narrow fence. Dropping into the vacant lot, he made his way toward the front fence and found a convenient knothole close to the spot where Arthur and Latimer stood. He was thus enabled to overhear all they said. The boy was telling his ally how he had found the long-missing bond 113, of the C. L. B. R. R., behind Mr. Jepson's desk.

"You are quite sure it is the right bond, my lad?" cried Latimer, eagerly.

Arthur handed him the bond, which he unfolded with shaking fingers. One swift glance over the paper, while the boy held a lighted match in his fingers to illumine the document, and Latimer was satisfied as to its identity.

"It is the bond!" he shouted, exultantly, handing it back. "Now, Andrew Jepson, look out for yourself. Wall Street will soon know you for what you are—a forger and a scoundrel."

"I shall put your sworn statement and this bond in the hand of a reputable lawyer and let him arrange for the prosecution of Mr. Jepson through the district attorney's office."

"That would be the proper way. But be careful that you select an honest lawyer—one who won't sell you out. Remember, Andrew Jepson has money to burn now, and he'll burn it fast enough to try and save his reputation and himself from the State prison. He'd give a hundred thousand dollars to get that bond back into his hands, and there are lots of lawyers who would find it greatly to their advantage to come to a private arrangement with him."

"How could they? You don't suppose I would stand for any funny business, do you?" cried Arthur, energetically.

"What could you do if the bond happened to be reported as mislaid? The blame would probably be saddled on a clerk—possibly a confidential one, who would receive a slice of the boodle and then be quietly shipped off to Europe for a year or two until the trouble blew over. You could make trouble for Jepson, of course. The charge would be ventilated in the press, but Jepson would deny and pooh-pooh it, and his money and reputation would save him as the incriminating bond could not be produced against him. Take my advice. Keep that document under lock and key at your home until you have looked over the field and selected your lawyer. There is no need of undue haste. Mr. Jepson doesn't know what is hanging over him, so you have no cause to fear him. Go slow and make sure of your game."

"I will act on your advice. I have a safe at home to which I and my mother each have a key. Your confession is there. I will place this bond with it as soon as I get home."

They walked back to the tenement and shortly separated.

## CHAPTER XVI.—At Mr. Jepson's Mercy.

At eleven o'clock next morning a smoothly shaven man of fifty called at Mr. Jepson's office and asked to see the broker. He handed the office boy a card, and while he was waiting to

be admitted to the private office, Arthur noticed him, and judged he must be a new customer, or some outside acquaintance of his employer's, for he had not seen him at the office before. The visitor was shown into the sanctum and the door closed behind him. He remained there some little time, and several of the regular customers were compelled to cool their heels in the reception-room before he came out and went away.

"His business must have been important," thought Arthur, as he followed the stranger to the door with his eyes.

It was, indeed, of the greatest importance—to Mr. Jepson. The caller was none other than the man who had followed Latimer and Arthur when they left the tenement together the preceding evening, and had afterward played the part of eavesdropper behind the fence, drinking in every word of their conversation. He had an excellent memory, that was part of his business, and he reported to the astonished and dumbfounded broker that morning all that had passed between his clerk and the man he and his associate had been employed to shadow. Mr. Jepson was certainly staggered to learn that Arthur Forbes was hot on his trail, and had at last, in the most remarkable manner, obtained the necessary evidence to bring him to justice. But if Arthur was the foxiest boy in the Street, Mr. Jepson was equally foxy as a man. He had the advantage, too, inasmuch as he was now aware of what he was up against, and like a wise general and strategist, he proceeded to plan the discomfiture of his young antagonist.

There was nothing in Mr. Jepson's manner the rest of the day in his intercourse with his clerk that gave rise to the faintest suspicion in Arthur's mind that anything was wrong. If anything, Mr. Jepson was even more suave and friendly toward Arthur than ever. The broker usually went home at about three o'clock. This particular afternoon found him apparently very busy at that hour. Four o'clock came and Arthur got ready to leave for the day. Mr. Jepson, however, came out of his office and said he would probably need his services until five. Of course, that was equivalent to a command to remain, and he did so. He signaled Dick by pushing his button, and in a few minutes his chum, ready to go home himself, came up to see him.

"I've got to stay an hour, if not longer," said Arthur, "so you'd better go home by yourself."

"No," replied Dick, "I'll wait for you. I've got an interesting book down in the office I picked up second-hand to-day, and I'm just stuck on reading it. It'll keep me interested till you're ready to go. Ring me up as soon as you are done working, and I'll meet you in the corridor below."

"All right," replied Arthur, and Dick returned to his office, and was soon deeply absorbed in the adventures of three boys who had been wrecked, Robinson Crusoe fashion, on an uninhabited island.

An hour and a half passed away unheeded by him; the janitor came in, swept and dusted, and went off again, and he had reached an exciting part of the story when suddenly from under his desk came a long continuous ring of his electric bell—the danger signal. Dick jumped to his feet as if some one had smote him an unexpected blow. His book fell to the floor and he stood for



an instant as if by some enchantment he had been transformed into a graven image. Again came that long ring, more sonorous and insistent than before—like a cry for help from his comrade.

"My heavens! That's our danger signal, sure enough. There's something wrong upstairs. Arthur said he never would give it except in a case of dire emergency. I'll telephone the police to come here at once."

He rushed to the instrument and was soon in communication with the Old Slip station. In the meantime, let us go back a little while. At five o'clock, when all but Arthur and Mr. Jepson were gone, the janitor came in to clean up. Mr. Jepson heard him enter and headed him off.

"We shall be busy here till after six," he told the man, slipping half a dollar into his hand.

"Thank you sir. I'll let the place go until morning," replied the janitor, who then went on upstairs.

Ten minutes later the door opened and admitted the smooth-faced caller of the morning. He was accompanied by a companion, who sported a mustache, and they went right into the private office, carefully closing the door behind them. Five minutes more passed away, then the door of the private office opened and the two men, followed by Mr. Jepson, came into the reception-room. One of the visitors went to the door as if about to go, but he didn't. He simply turned the key in the lock and then came toward Arthur. Before the boy realized that anything out of the ordinary was on the tapis, the two men seized him and proceeded, in spite of his struggles, to bind him to his chair, while Mr. Jepson threw a folded towel about his mouth and chin, and thus cut off any chance of his calling for help.

"Arthur, I'm sorry to have to use you in this manner, but you know that self-preservation is the first law of nature. You have obtained possession of a document in this office which concerns me greatly. I must get it back. You know what that document is, and I propose to make you give it up, or matters will take a painful and unpleasant course with you."

He spoke sternly, and Arthur, recognizing the gravity of his position, managed to send in his second call for help to the office underneath.

"You are a smart boy, Arthur, a very smart boy, but you failed to measure well the man you are up against. Your object is most praiseworthy. It would meet my unqualified approval, but for the fact that the evidence you propose to use toward this end is dangerous to me. I expect to marry your mother inside of fifteen days—I hold her written promise to become Mrs. Jepson within six months from date, and the six months are now almost expired. It would be cruel of you to spoil the purpose of my life, for I've set my heart on marrying your mother, and I don't propose to be balked, especially now at the eleventh hour. Therefore, my dear boy. I want you to sign this paper, authorizing your mother to go to the house safe where the two documents are deposited, get them out and deliver them to the bearer of this order. It is a mere stroke of the pen, and when the papers are in my hands you will be relieved from all further inconvenience," and Mr. Jepson laid the order he had written down on the desk before Arthur,

and, leaning forward, took up a pen-holder, dipped the nib in the ink bottle and held it toward his helpless prisoner.

## CHAPTER XVII.—Conclusion.

"Now, Arthur, I beg you to sign," continued Mr. Jepson.

Arthur, however, was in no hurry to do so. He must play for delay. Mr. Jepson, however, was in no humor to waste time over this thing.

Holding back the boy's head, he twisted a part of the towel about Arthur's neck in such a way that by giving it an additional turn a suffocating pressure would be brought to bear on his wind-pipe.

"Sign!" demanded Mr. Jepson, holding the pen-holder toward the boy. "Sign, or——"

He got no further, for at that moment a key rattled in the lock, the door was suddenly slammed open, and Dick Bell, followed by two policemen, entered the room. Mr. Jepson and his two associates were taken completely by surprise, and before they recovered their presence of mind they were in the hands of the officers, backed up by the janitor and Dick. Of course, Mr. Jepson attempted to throw a bluff, but it didn't go for a cent, for when Arthur was released from his bonds he ordered the officers to take the three prisoners to the station. He and Dick went along as a matter of course, and on their arrival at the station Arthur made a formal charge against the other two men as accessories.

At the examination of the prisoners at the Tombs, Arthur furnished evidence enough to cause Mr. Jepson to be held for the grand jury. The broker's lawyer produced the necessary bonds to secure his client's release, but Mr. Jepson did not return to Wall Street.

Arthur Forbes was the most-talk-of boy in the Street for many days thereafter. Before the end of the week he made an offer of the block of 4,000 shares of O. & G. stock, through his brokers, to Mr. Finkelbaum. He asked \$80 a share for it, and after some demur on the big broker's part the deal was closed at that figure. After the settlement had been made and the check was in Arthur's hands, he and Dick squared up. Arthur's profits were \$60,000 and Dick's \$20,000.

The day that Arthur went before the grand jury to testify against Mr. Jepson, he and Dick entered into articles of co-partnership as Wall Street brokers. Mr. Jepson was never brought to trial. He committed suicide when he realized that his conviction was inevitable. It was found, when his will was read, that he had left Mrs. Jessie Forbes the bulk of his property "as a partial atonement for the wrong he had done her husband and the consequent privation and trouble she had suffered for years in consequence."

One night there was a wedding at the Forbes home, the contracting parties being Arthur Forbes and Mabel Latimer, and so to their newfound happiness we leave them, believing Mabel will never regret having married the foxiest boy in Wall Street.

Next week's issue will contain "TATTERS; or, A BOY FROM THE SLUMS."



## CURRENT NEWS

### DEER'S SWIMMING SUIT

In winter the fur of the deer is specially adapted for swimming. The hairs are composed of air cells and when the coat is about an inch long it will suffice to float him. Most of the bucks shed their antlers in January.

small patch of turnips which he will harvest later in the season.

Mr. Schneider keeps the ground in his garden well fertilized and finds that he is repaid for the care given his garden by the bountiful crops it yields.

### GROWS LARGE CROP IN QUARTER OF ACRE

The garden at the E. F. Schneider home in the southwest part of Lowry City, Mo., covers a little better than one-fourth of an acre.



From that small amount of ground Mr. Schneider has this year harvested twenty bushels of corn, forty-three bushels of potatoes, about 200 pumpkins, a bushel of onions, a bushel of cucumbers, some peppers and cabbage, and has a

### A TREE THAT MURDERS

In Kew Gardens, London, there is a specimen of a tree from Brazil which justifies its appellation of "murder tree." Its other name is clusia.

This tree throws out aerial roots which strangle every tree in the vicinity.

Birds carry the clusia seeds, dropping them in the branches of other forest growths. From the seeds roots spring toward the earth, seeking nourishment. They throw out branches which coil about neighboring trees and literally strangle them to death.

 LOOK! LOOK! 

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# Wrecked On The Desert

— OR —

## THE ADVENTURES OF TWO BOY PROSPECTORS

By GASTON GARNE

(A Serial Story.)

### CHAPTER XX.—(Continued).

"While I was crazy is what you mean!" cried the doctor. "Speak out! I know what I am, and am not afraid to have any one allude to it. We are all crazy here. To think that we have been ungrateful enough to turn against that good man, who tried to save us from ourselves!"

"But I'll do as you say," he hastily added. "I'll search my room, too. I may find the money. I can't imagine that I ever look it, for I don't even know where he kept it. Terrible that I should be such a trouble to him, and his wretched sister dying, too. But she is better off, poor soul! She was the worst of all of us. It was for her sake that he came here, to save her from the asylum. Ah, he was one good man!"

He began searching his pockets, but could find nothing of the papers.

"How did Dr. Furman ever get in here with all these mad people?" Arthur asked.

"Drove in three mule teams," replied the doctor, curtly. "Don't ask me any more. Come to my room. We will search there."

His room proved to be at the end of the long corridor on the opposite side from the one the boys occupied. It was neatly kept, and furnished with considerable taste.

The doctor immediately began pulling open drawers, and tumbling over their contents. Presently, he gave a disgusted exclamation, and, turning, held up a canvas bag.

"I don't know anything about this," he snarled. "I suppose it's the stolen cash. I must be mad, indeed! This is the limit. I'm going to pull out and go into an asylum. I'm not worthy of the hospitality of the Desert Home."

He opened the bag which contained many gold pieces and a great roll of bills, also the diagram and the description of the cave.

The doctor threw it on the bed, and dropping into a chair, buried his face in his hands, and burst into tears.

"I robbed him! I robbed him!" he moaned. "It is shameful! Oh, what shall I do?"

"Brace up, and be a man," comforted Arthur. "You are sane enough now. The mad fit may never return again."

"If I could only believe that, I should be the happiest man in existence," groaned the doctor, "but I can't. It will come again and again, until I die, which I wish might be right now."

"Not until you have helped Dr. Furman," replied Arthur quickly. "Let us act."

"I am ready," sighed the doctor, "but reflect

that we are to go up against five—a poor old lunatic and a lame boy!"

"The lunatic is all right, and the lame boy has a revolver, and knows how to use it; but, as I understand it, doctor, there are only four of these men."

"Four men and one boy—Pedro."

"He is not with them."

"Not with them? Where is he, then?"

"Hiding somewhere through fear of you."

"Pshaw. As though I would harm him or any one. But come, I am willing to take any chance. If you can run the car, we will go."

"How little he realizes what has happened," thought Arthur. "It is to be hoped that the fit don't seize him again."

"We need Pedro," he added, aloud. "I'll call him."

They went out on the piazza, where Arthur's shouts were at length rewarded, for Pedro came sneaking through the gate.

"Now, you want to let me alone, Doctor Glick," he whined. "I never did nothing to you. Last night you tried to kill me."

"Have no fears," replied the doctor, who certainly acted more sensibly than Arthur had ever seen him. "We want to get the master and Miss Edna, and we need your help to do it. Suppose those ungrateful wretches have killed them—what then?"

Pedro began to blubber.

"They tried to make me go with them," he said, "but I wouldn't. I'd do anything for either of them, and you know it."

Arthur hobbled to the car, and looked it over. "Everything seems to be all right," he said. "Shall we make a start?"

"Instantly," replied the doctor, who was fumbling in his pockets.

He pulled out a key and stood staring at it.

"What's this key?" he muttered. "Where did I get it? It don't belong to me. Let me think! Let me think!"

"Here, you take it, boy," he added, handing it to Arthur. "It surely is not mine. You may find a use for it."

His eyes were snapping again. Every muscle was on the twitch.

"Get in," said Arthur, taking the key. "We are losing time."

"Just a minute," replied Glick. "I—I am not feeling well. I must take a pill. I can't swallow it without water. I—I shall have to go back to the house."

He hurried away, and Arthur watched his retreating form in disgust.

"Upon my word, I believe that man is a morphine fiend," he thought. "Likely he laid in a supply of dope when he went to Gillis, and that's what's been the matter right along."

When the doctor returned his eyes were glistening, and his whole manner had changed.

"Young man, let us be off!" he shouted. "I am equal to any emergency now. Talk about handling those four wretched greasers! Leave it to me. I could handle forty! If they have hurt a hair of my friend Furman's head, they will have to reckon with me."

(To be continued.)



## GOOD READING

### FENCES FOR RESERVOIRS TO BAR SUICIDES

Commissioner Nicholas J. Hayes of the Department of Water Supply, Gas and Electricity, New York, requested an appropriation of \$82,000 from the Board of Estimate for the erection of "man-proof fences" around the various city reservoirs to prevent the pollution of the water by suicides. He said there had been a large number of suicides by drowning in the municipal reservoirs in the last few years. He wanted the fences, he declared, to prevent this and also to keep thoughtless persons from throwing refuse in the water.

Of the sum asked \$35,000 is for the Central Park reservoir, \$21,000 for the Ridgewood reservoir; \$5,000 for the Highbridge reservoir, and \$5,000 for the Williamsbridge reservoir. Acting Mayor Hulbert suggested a further study of the matter.

### MORE WOMEN THAN MEN AT COLUMBIA LAST YEAR

More than 18,000 women were registered at Columbia University last year, Dean Virginia C. Gildersleeve of Barnard College said in an address at the laying of the cornerstone of the new women's residence hall on East Field. The enrollment figures showed only 15,194 men registered in the same time, Miss Gildersleeve added, in pointing out the immense growth of the women's department of the school.

The new building, intended for the housing of women enrolled in the university's graduate and professional schools, will cost approximately \$1,000,000. It faces on 117th street, back of the president's home and the Faculty Club. Accommodations are provided for 365 students, with rooms for administrative and social purposes, an infirmary and quarters for the Women's Faculty Club.

### LAWN MOWERS FOR TROLLEY CARS

A middle western suburban electric railway company was much troubled by heavy growths of weeds and coarse grasses on its tracks. No successful method for fighting the pests was evolved till one of its engineers hit on the idea of attaching a mowing machine to the cars themselves and letting them keep the line clear in the course of their regular trips.

A mower of the familiar type armed with a long sickle which can be raised and lowered to avoid obstructions, such as cattle guards or grade crossings, is mounted on flanged wheels to fit the tracks and is towed behind the car. A man, seated in the regular mower's spring-mounted seat, watches the track and regulates the sickle's elevation above the track level.

With only one man to operate the mower, a stretch of track can be cleared of weeds in a few hours which would have occupied the energies of a gang of laborers for a much longer time.

The mower extends a sufficient distance at each side to make a neat, clean path the full width of the car.

### ABOUT MAGNESIUM

Magnesium is the lightest metal now in use, being only two-thirds as heavy of aluminum. It remains comparatively unaltered under ordinary weather conditions. It is a beautiful silvery white metal, made in the United States only since 1915, but it has now become an organized industry here. It is known to but comparatively few people, and most of those acquainted with it recognize it as just a silvery powder used for making flashlights in photography. It was imported to this country for that purpose from Germany many years ago. During the World War large quantities of powdered magnesium were made in the United States for use in star shells designed to illuminate battlefields at night, as well as in special shells designed to show in the day time exactly where shells containing magnesium fell. The white cloud by day and the brilliant pillar of fire by night—both striking features of the battlefields of the World's War—were produced by magnesium. Magnesium in massive form, as sticks of, or rods, is used to deoxidize other metals in foundries and as a constituent of alloys. More magnesium is now used as a deoxidizer, or scavenger, in metallurgy than for any other purpose, but its employment in alloys is increasing and will probably in time exceed the use of all other metals formerly used for that purpose. An alloy of magnesium and aluminum is used for making castings for aircraft and the framework of the great dirigibles and castings for their engines and for the parts of airplanes.

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By CHAS. FULTON OURSLER

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# INTERESTING RADIO NEWS AND HINTS

## GOOD TIPS

Single covered wire, such as single silk or cotton, should not be used for winding bankwound or sider-web coils.

If cardboard forms must be used to wind coils untreated cardboard is preferable to the treated kind. The shellac and varnish used in treatment affects the winding and add surprisingly large losses to coils that are used in high frequency low wave work.

## GIVE CRYSTAL ALCOHOL BATH

In receiving circuits employing crystal detectors the effective range depends to a great extent on the sensitivity of the detector. Some crystals are more sensitive than others, but even a sensitive crystal may be ruined by improper care. There are times when the action of the air on the surface of these crystals starts oxidation and prevents them from functioning properly; but a more serious trouble is caused by handling the surface of the crystal with the fingers. Where this has been done and the surface of the crystal found to be less sensitive after continued use, it should be cleaned. Sometimes a bath in alcohol will create a sensitive spot. If a crystal detector can be enclosed in glass where the hands cannot touch it, sensitivity can be maintained with greater ease.

## RADIO AND WIRE TELEPHONE

The operation of the ordinary wire telephone is compared with the operation of the radio telephone in a recent issue of the *General Electric Review*, by way of explaining in easy stages the meaning of radio communication. It is brought out clearly that the two systems have four primary units in common—some sort of energy conductor between stations, some form of energy capable of being modulated to conform with sound waves, a transmitter and a receiver. Since the type of radio equipment discussed utilizes primarily the vacuum tube, a section of the article is devoted to a description of the principles and characteristics of this device. The rest of the article shows how the transmitter modulates the radio-frequency carrier wave that it broadcasts, how the receiver by rectification of the otherwise inaudible incoming wave reproduces the sound wave and how amplification is accomplished. The article is well worth reading, if one would obtain a good elementary knowledge of radio.

## AIDS REFLEX

The heart of any reflex circuit is in the particular radio frequency transformer used. There are a few good fixed transformers, but there are many more poor ones. The best thing the radio fan can do is to make his own.

A transformer of the tuned variety consists merely of two windings on a small cardboard tube three inches in diameter and about six inches long. The first winding consists of fifteen turns of cotton covered wire of any size between No. 24 and 18. This is the "primary." A quarter of an

inch away, another coil is started, in the same direction, and continued for fifty-five turns. A tap is taken at the thirty-fifth turn. A wire is led from this tap to one contact point, and the end of the coil to another. A small switch can then be easily arranged on the panel of the set to travel over these points. This second winding is the "secondary." It is tuned by a variable condenser having a capacity of .0025 mfd., which is the equivalent of the average eleven plate instrument.

It is not practicable to use a tuned transformer like this in sets having more than one bulb, as the tuning becomes too complicated. It is ideal for single tube affairs, and will even permit the operation of a loud speaker on local stations, providing a C301A or UV201A is employed with ninety volts of B battery.

## RADIO FIGHTS SWINDLERS

Use of the radio as a weapon to combat stock swindles is being considered by the Better Business Bureau of New York. Striking results have been obtained by the Union Trust Company of Cleveland by this method.

The plan, as now operated by the Cleveland company, depends largely for its success upon the alertness of the Cleveland Better Business Commission. This commission has advisers who watch men suspected of swindling schemes, and whenever these advisers run across the trail of a man or group who are contemplating a campaign to fleece unsuspecting investors, word is sent to the Union Trust Company. This company in turn prepares a "talk" on investment, in which it tells the story of the swindler, analyzes the fraud and broadcasts as complete a description as possible as to his method of approach, his argument and finally a description of the worthless security he is trying to sell. As a concluding touch, the broadcaster warns potential investors, "Before you invest, investigate."

The trust company reports that it has built up a regular clientele who "turn in" on Station WJAX, and hundreds of letters are received on the day following each "talk" asking for more complete information regarding propositions recently placed before them by fly-by-night salesmen. A number of swindling plans have in this way been exposed to the Ohio authorities which otherwise would not have been uncovered.

## SHARPER TUNING

To many people it seems strange that a loss coupler functions without metallic connection between the primary and secondary coils. Yet how many people stop and think how strange it is that a current should pass through even a wire, or how strange it is that oscillating electrical impulses can travel through the ether and make themselves known at a receiving station.

A loose coupler consists essentially of two coils of wire, one sliding within the other. The outer or stationary coil is the primary while the inner or movable coil is the secondary. A loose coupler



is occasionally referred to as a receiving oscillation transformer or a "jigger."

The primary coil is connected in series with the antenna and the ground, the entire combination being known as the aerial circuit. The secondary coil is connected to the detector system and if necessary to other tuning devices such as variometers or variable condensers. This is referred to as the secondary circuit, the closed circuit or the detector circuit.

It is well known that when a current of electricity is passed through a coil of wire a magnetic field of force is set up about the coil. If the original current is constantly changing in amplitude and another coil of wire is brought within the field of the first coil a current will be induced in the secondary coil. This is due to the rise and collapse of the magnetic lines that pervade the coil. By varying the distance between the coils the induced current can be varied proportionately.

Close coupling sometimes gives a louder signal, but is not advisable since the lines of force about the two coils interact and make the tuning broad.

#### TRANSMITTING EFFICIENCY

In no branch of radio telegraphy has greater progress been made during the last two or three years than in the design of the grounding systems of large transmitting stations, according to Prof. G. W. O. Howe, writing in *The Electrician*. For many years the effectiveness of a station was judged by its so-called power in kilowatts, which sometimes was supposed to represent the power actually supplied to the aerial, but more often represented the power supplied by the dynamo or alternator to the transmitter. The power actually radiated from the aerial was rarely considered, though this, after all, was the only thing that mattered. It is now fully realized, however, that the only measure of the effectiveness of a station is the radiated power, and since, for a given frequency, this depends on the product of the effective height and current, this product is now specified, instead of a meaningless number of kilowatts. To obtain the maximum radiated power for a given total power delivered to the aerial, every effort is now made to reduce the various losses. These consist of the losses in the aerial wires, tuning inductances, etc., and in the towers, stays, etc., losses due to brush discharge from the wires, and last, but by no means least, losses in the earth under the aerial.

#### ANNOUNCER MUST HAVE RADIO VOICE

Replying to the criticisms of the pronunciation of announcers employed by broadcasting stations, one official points out that it is not necessarily the finest elocutionist who makes the best broadcast speaker. He said: "There is some quality of voice or manner of speaking, as yet unappreciated, which makes an ordinarily satisfactory speaker quite useless when broadcasting. When speaking by radio telephone sound and sound alone is the important factor. The elocutionist is deprived of all the arts of facial expression and personal atmosphere and has to rely on the sound of the voice alone to create the desired impression. I do not know whether broadcasting will produce

vocal artists, just as the cinema has produced its special class of actors; but if there are to be any such we have not found them yet."

Different voices are required for different events broadcast by radio. WEA's impresario discovered a voice particularly well suited for broadcasting from theatrical stages, and because this voice carried distinctly when broadcasting "Wildflower" the same announcer was selected to describe a heavyweight championship fight in Boyle's Thirty Acres. During the preliminary fights many telephone calls told WEA that the announcer's voice was not clear. A new announcer with a higher-pitch voice was substituted because the low voice blended too much with the rumbles and clamor of the crowd. The higher tones could easily be separated from the other noises in the fight arena and carried clearly through the air.

#### FIXED OR VARIABLE CONDENSERS

Condensers may be divided into two distinct types, each with a specific purpose. These types are the Fixed and Variable. In receiving circuits the fixed condenser consists of successive layers of tinfoil and waxed paper in the cheaper grades, and copper sheets and mica discs in the better grades.

These fixed condensers find their most common application in grid and phone circuits. In the grid circuit the condenser acts as an accumulator to hold the minute charges of electricity obtained from the aerial until the combined energy is sufficient to actuate the grid of the tube. In the phone circuit the condenser supplies a path of low resistance for the high frequency currents present in this circuit, particularly when regenerative action is being secured.

The variable type of condenser is by now a familiar sight to most radio enthusiasts. The capacity of these condensers depends, of course, on the area of the movable plates meshed within the stationary plates. Variable condensers are utilized primarily as a handy means of tuning. The gradation of capacity can be made so fine that the circuit in which the condenser is situated can be tuned sharply to resonance with any other circuit.

In shop talk these condensers are rated by the number of plates which they contain. This is a somewhat erroneous method, since the relative number of plates means nothing unless the size of the plates and the spacing between them are also given. But this discrepancy is not serious, since the exact capacity is never critical. Whereas a 43 plate condenser is supposed to have a maximum capacity of .001 microfarad, the mere fact that it is only .008 microfarad would not kill the action of the receiver, of which it was a part. It would, however, reduce somewhat the working wave length range of the set.

Condensers function differently in direct and alternating current circuits. Direct current cannot pass through a perfect condenser. The effect is the same as a broken circuit. But because the condenser stores up the individual charges until a certain potential is reached, which forces the charges outward again, an alternating current passes through a condenser without trouble, although the capacity of the condenser must be proportioned to the circuit and its use therein.



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## ITEMS OF INTEREST

## THE ISLE OF PINES

The Isle of Pines has one continuous summer, the variations of temperature throughout the entire year being scarcely as great as often occur in the summer time in many of the Northern States. It is rare, indeed, that the thermometer in summer on the island registers as high as 90 degrees F., and in winter the mercury never falls below 50 degrees F.

## TURKEY GAINED 24 CENTS A POUND ON ITS WAY EAST

Out in Manvel, N. D., William Shane scrawled hurriedly on a slip of paper and tucked it inside a turkey which had just become extinct for the benefit of the great American Christmas dinner. And having wrote, Mr. Shane tossed the turkey among others bound for the East.

Otto Schulz of Little Ferry, N. J., purchased a turkey. Within he found what Mr. Shane had written:

"Dear friend," Mr. Shane had inscribed, "I sold this turkey for 22 cents a pound. Please write me what you paid."

Mr. Schulz paid 46 cents a pound. He will write.

## BURGLAR TRAP OVER DOOR BLINDS PEDDLER

The eyes of Walling Rose, peddler, of 633 Tinton avenue, the Bronx, may be saved, according to Dr Notter, of Holy Family Hospital, Brooklyn, but Rose vows that never again will he enter a room without invitation. He knocked on the door of the furnished room of John J. Huybrechtse, 531 Atlantic avenue, and, when no answer was heard, walked in.

Huybrechtse had a pail of ashes suspended over the door so that whoever entered would be showered. He says that his room has been robbed several times in the last few weeks and he arranged this device to stop a practice that was becoming habitual with some one.

The ashes contained lime, which got into the peddler's eyes. He ran into the street, calling for help.

## BOY ESCAPES BEING BURIED ALIVE

Everett Harrington, escaped lunatic from the Norwich State Hospital, was captured in Webster, Mass, the other night after trying to force Edward Pinkham, sixteen, of Danielson, to dig his own grave near Westfield Cemetery. Pinkham saved himself from being buried alive by felling the lunatic with a shovel he had turned over to him for grave digging.

The lunatic first asked the boy to help him to move a portable woodsawing camp, using this as a ruse. Harrington led him into the cemetery. He opened the doors of a tomb with a skeleton key and took from the vault a shovel, pick and crowbar, telling the boy he was going to force him to dig his own grave and bury him alive.

The demented man threatened the boy with a hatchet, threw him on the ground and began to choke him. Instead of carrying out his threat to hack him to pieces, Harrington led the boy to a spot outside the cemetery. While walking through the woods the boy hit Harrington with the shovel and knocked him unconscious. Pinkham fled and Harrington was later captured. He will be returned to the Norwich State Hospital for the Insane, from which he was paroled.

## LAUGHS

"Do you owe your downfall to demon rum?" asked the prison visitor. "I never heard of the brand," replied the convict.

Schoolmistress—Master Isaac, what wrong did the brothers of Joseph commit when they sold this brother? Isaac—They sold him too cheap.

Mrs. Crawford—I was so glad to find her out when I called. Mrs. Crabshaw—I knew you didn't like each other, so I told her when you were going to call.

Gus—The idea of his saying I had more money than brains! Quite ridiculous! Jack—That's so. Gus—Of course. Why, I haven't got a cent. Jack—Well?

Master—How dare you whistle like that in the office, Smith? Clerk—Well, sir, I thought you'd like to know I was bearing up cheerfully in spite of my miserable salary.

"So you were a shoemaker, eh? Well, why on earth did they put you in prison?" "Well, once a fellow brought me a pair of shoes to have heels put on 'em and I sold 'em."

"Madam," said Plodding Pete, "I once had a wife and family, but I couldn't be contented, so I left home." "Well, here's a turkey sandwich for you. Very few husbands are so considerate."

"Did you notice how heartily Briggs shook hands with me?" "Yes." "He wasn't satisfied with shaking one; he grabbed the two." "Yes, I suppose he thought his watch would be safer that way."



### ICE ON THE FARM

In the production and marketing of high quality milk and cream a supply of ice on the farm is almost a necessity, says the United States Department of Agriculture. Proper cooling and cold storage are said to be the greatest factors influencing the bacterial content of milk from the time it leaves the cow until it reaches the consumer.

The Department says that farmers should, if possible, put up at least one and one-half tons of ice in the North and two tons in the South, for every cow in the milking herd. This will provide for cooling the milk, allow for melting, and provide a little surplus for household use. In late fall and early winter, when work is not pressing on the farm, a little time spent in anticipation of the ice harvest will pay good returns, Federal experts say. During this season old ice houses may be repaired and all the necessary equipment for harvesting ice provided.

### EMPLOYEES TO GET U. S. STEEL SHARES FOR \$100

Common stock of the United States Steel Corporation will be offered to employees at \$1000 a share, under the terms of the 1924 subscription plan, according to an announcement by Elbert H. Gary, chairman of the finance committee. The plan will be carried out along the lines followed in previous years, the workers being permitted to make their payments in small monthly installments, receiving a bonus of \$5 a share annually for stock held five years.

Although this year's offering is nominally limited to 100,000 shares, it is expected that all subscriptions in excess of that amount will be accepted by the management.

The 1924 offering price compares with \$107, at which stock was offered a year ago, when 41,950 employees subscribed for 100,730 shares. The record subscription was in 1921, when 255,325 shares were purchased under the partial payment arrangement at \$81 a share.

No offering of preferred stock to employees has been made by the Steel Corporation since 1914.

### HOW THE STRENGTH OF WOOD IS TESTED

Lumber used by builders has come in for a series of exhaustive tests to determine the relative strength of various sorts of woods under a compressional strain. By applying pressure to the end of a timber and increasing the force till the wood bursts, the compressional strength, or "column capacity," of the wood can be accurately measured.

For this purpose the United States Forest Service at Madison, Wis., uses a tremendous machine capable of exerting a pressure of 1,000,000 pounds. This gigantic squeezer is large enough to take timbers thirty feet in length and a foot square.

In making the tests the remarkable fact was discovered that knotty wood was practically as strong for columns as clear wood, the knots ap-

parently having very little effect on the breaking point of the timbers.

Knowledge of this fact should effect a large saving in building construction, according to the officials of the laboratory, as builders waste thousands of dollars in discarding knotted wood for columns when it could just as well be used.

Certain kinds of wood, of course, have higher column capacities than others. In one test Southern yellow pine was shown to have a resistance as high as 432,000 pounds.

### GIRLS OF CHINA KEEN FOR SCHOOL

When Ginling College, at Nanking, China, opened its doors for its present term, one girl in the newly arrived freshman class had traveled an entire month, by the slow method of locomotion prevalent in the country, and through regions infested with bandits, in order to reach the campus on time. It would have taken her no longer to reach Nanking from New York than from her home village.

The incident is told by Laura H. Wild, professor of biblical literature at Mount Holyoke College, to illustrate the great desire of Chinese women for education. Ginling, at Nanking, and Yenching, at Peking, known to American college women as the "Sister Colleges" of China, are crowded to capacity. Eight years ago Ginling started with nine students, and to-day has ninety-six.

"All the way down from Peking to Nanking," writes the American teacher, "we kept hearing of the demand for higher training, and of the inadequacy of the provisions for the needs of ambitious Chinese young womanhood. Co-education has started in both Christian and Government universities under circumstances far from ideal. Only at Ginling and at Yenching are girls looked after as they are at home.

"The most vivid impression made on the mind of the visitor is that a dam is being broken down and a flood of eagerness for the new education is about to sweep the country. At Ginling unprepared students are held back so that true college standards may be established. Only forty of the sixty candidates were admitted this year. There are no standards as yet for China's educational scheme for women. All must be forged out brand new. China will ultimately make her own; the best that America can do for her is to help her at the start to raise them high. The sight of thousands of bound feet and bound minds is sufficient argument for the helping of Americans."

Ginling has just dedicated a spacious campus and new buildings, and expects soon to accommodate 400 students. The buildings, though designed by American architects, are adapted to the Chinese style of architecture, in that respect being unlike any other American buildings in the country except those of the Rockefeller Medical School at Peking.

President Thurston of Ginling is a Mount Holyoke graduate.



## HERE AND THERE

### WANTS TO SHOOT ROCKET TO STRIKE THE MOON

"Work on the high altitude rocket must be supported and models supplied for actual trial flights during the coming year if America is to continue her lead in this branch of scientific research," Prof. Robert H. Goddard of Clark University declared on his return from the convention of the American Association for the Advancement of Science in Cincinnati.

At the convention, Professor Goddard announced that a speed of six miles a second would free the rocket from the earth's attraction, and once free it might go on until it struck the moon or another planet.

He had reported on the work done by him during the year and stated that the results of his investigation on the rocket made reasonably certain the opening of a new field of scientific endeavor.

"Meteorology is the coming field in science," he said, "and if this country wishes to continue its work on a theory that was first published and experimented on in America, the work must be strongly supported."

The feasibility and importance of the work was stressed by Professor Goddard because of his recent experiments. He thinks that with proper co-operation a trial flight may be made this year.

The rocket offers unusual opportunity for advance in meteorology, he pointed out, because the atmosphere beyond the twenty to thirty-mile stratum is beyond the range of the airplane. The rocket operates better in a vacuum than it does in the atmosphere, and the rarified atmosphere of a high altitude is very conducive to successful experiment in both astronomy and terrestrial magnetism, Professor Goddard said.

### SADDLEMAKER, 103, STILL AT HIS BENCH

In November, 1923, Charles Quick of Vancouver, B. C., began his 103d year of life—active life. He is the oldest saddlemaker in the world, and probably the only man in the world who at over a hundred years of age goes daily to his work and makes as good saddles at 103 as he did at thirty. Down on Powell street, Quick conducts his business.

He is jolly, active, with booming commanding voice, a pair of eyes that see as clearly as when he was a boy. His hair is thick and his beard is long, giving him the look of sixty rather than a century. He is still a master craftsman, and on his birthday recently, to show that the years set lightly upon him, he sat down at a sewing machine and mapped out on a piece of paper an intricate and clever pattern.

Quick is also an inventor of some note. Fifty-three years ago he made the first sewing machine for harness work. This machine, affectionately called by him "Betty," still stands in his shop in Vancouver.

Possessor of several fortunes, Quick traveled widely, and his reminiscences of famous campaigns, coronations and other notable events make him an interesting companion.

Though an Englishman, Quick fought through the Civil War on the Union side. A quarter of a century ago he invested his fortune in San Francisco. The earthquake came and swept it away. Yet, at an age when most men have already passed to their graves, and those that have not are no longer active, Quick came to Vancouver, and here to-day he makes saddles of a kind which are famous the world over.

Happy and contented, he has begun his second century. Looking back at the past with few regrets, he still thinks of the future, and believes another quarter century may easily be his lot.

### THE DRAGON FLY

There are many creatures on wings that the eye is unable to follow, but there are few, if any, that excel or even equal the dragon fly. They are one of the most attractive of all insects, and by whatever name they are known, whether "snake feeder," "snake doctor," "devil's darning needle," "flying adders," as they are called in Scotland, or "horse stingers," as they are called in England, they have always been the subject of much superstition. Their food is varied. Most species live on insects, though some, especially in the larva state, are known to subsist to some extent on aquatic insects and even small fish. The adults are very voracious and down many houseflies and mosquitoes.

One authority states that he held one captive and fed it more than three dozen live houseflies with two hours.

After being chloroformed, though insufficiently to cause death, upon reviving and while still impaled on a pin it will eat almost any insect presented. The food is captured while on the wing. They are estimated to fly at the rate of thirty or forty miles an hour and their aim is unerring.

The female crawls down the stem of some water plant and deposits her eggs below the surface. In most species the end of the body is provided with a sort of cutting instrument by which she makes a slit in the stem of the plant and therein lays her eggs. Some two or three species have no such cutting facilities and the eggs are laid loosely in the water or attached to the stem of some plant.

Dragon flies are migratory and have been observed flying in a southwesterly direction in swarms for miles in extent. They were but a foot above the ground and as high up as the eye could see.

More than two thousand species have been described and of these about three hundred inhabit the United States.

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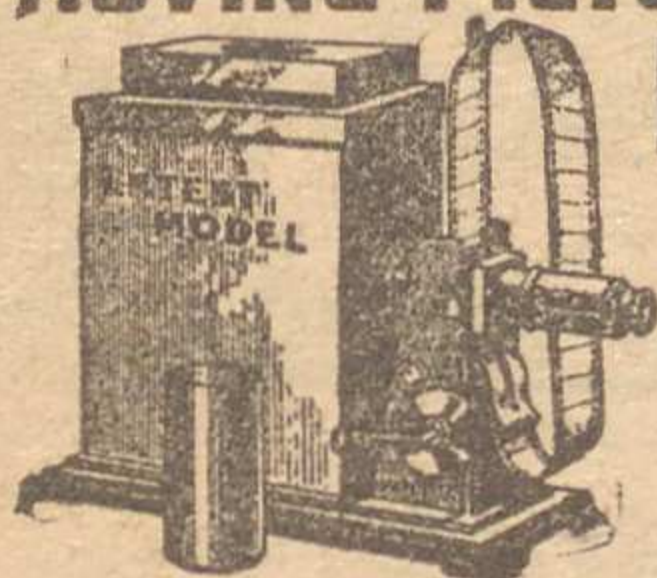
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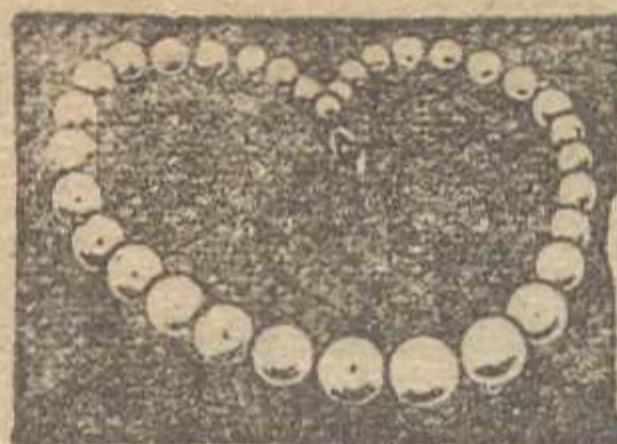
No two animals have eyes exactly alike. In every case they are adapted to the special needs of their owner.

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Tigers, lions, cats and others of the same family are unable to see at great distances, but for objects near at hand their sight is very keen. Lions and tigers have round pupils, which grow bigger when the animal is angry.

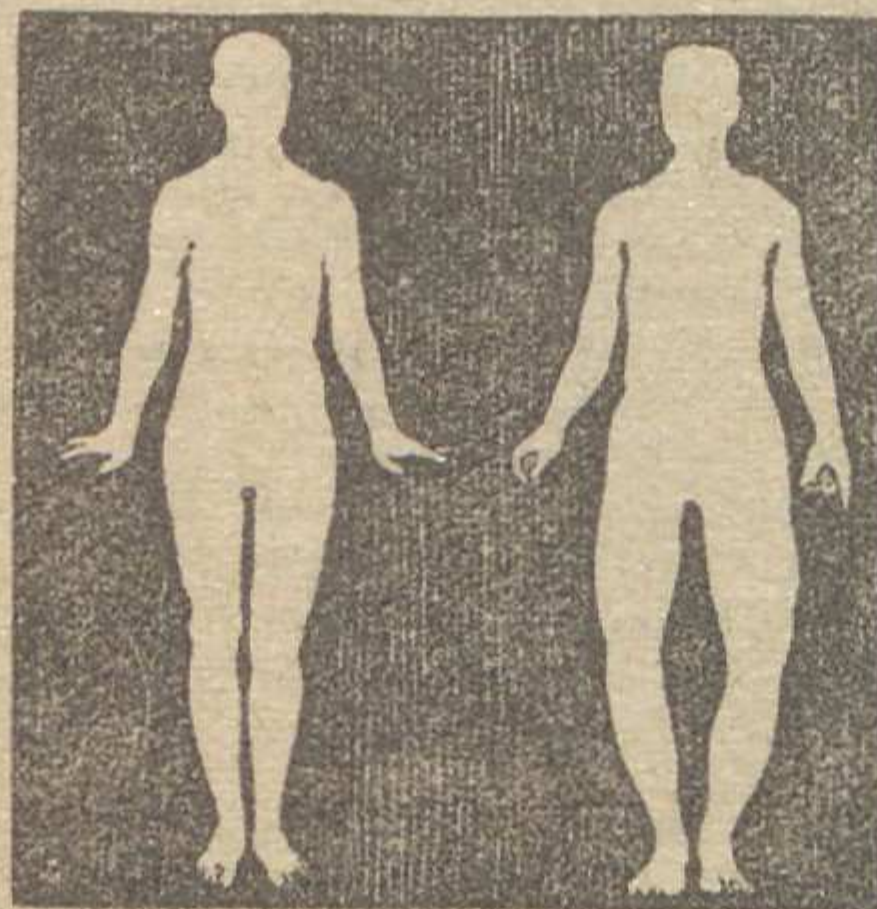
Cats have pupils which can be dilated enormously. In the dark, or when the cat is angry, the pupils look almost round. In the first case, what little light there is is reflected by the retina, which is the explanation of the fact that a cat's eyes look green at night.

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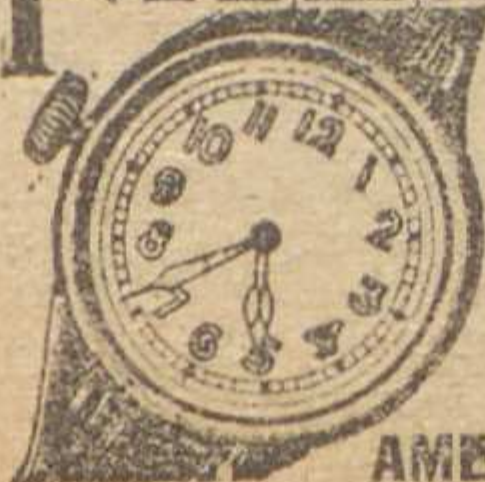
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